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Surface Water Data

Manitoba

Données sur les eaux de surface

1987

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WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1988

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1987 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to

Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba,
R3C 1B2
(204 983-2435)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1987, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1987, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2
(204 983-2435)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1987, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975, and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Agriculture Canada, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Natural Resources, Water Resources Branch, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba est passée au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

Niveau fédéral – Ministère des Travaux publics,
Agriculture Canada (ARAP).

Niveau provincial – Hydro-Manitoba,
Ministère des Ressources naturelles, Direction des ressources en eau, Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg,
Manitoba.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impériais
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (metre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans, l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a fausse la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des donnees mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship: or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ANGLE DRAIN NEAR GLENELLA - STATION NO. OSLL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0158	0.510	0.349	0 E	0.001	0	0	---	---	1
2	---	---	0 B	0.0178	0.480	0.248	0 E	0.001	0	0	---	---	2
3	---	---	0 B	0.3338	0.408	0.189	0 E	0	0	0	---	---	3
4	---	---	0 B	2.18 B	0.382	0.259	0 E	0	0	0	---	---	4
5	---	---	0 B	5.21 B	0.321	0.161	0 E	0	0	0	---	---	5
6	---	---	0 B	8.67 B	0.304A	0.110	0 E	0 A	0	0	---	---	6
7	---	---	0 B	9.39	0.316E	0.095	0 E	0 E	0	0	---	---	7
8	---	---	0 B	11.7	0.183E	0.078	0 E	0 E	0	0	---	---	8
9	---	---	0 B	11.5	0.188E	0.083	0 E	0 E	0	0	---	---	9
10	---	---	0 B	11.4	0.173E	0.088	0 E	0 E	0	0	---	---	10
11	---	---	0 B	8.86	0.173E	0.088	0 E	0 E	0	0	---	---	11
12	---	---	0 B	7.73	0.160E	0.046	0 E	0 E	0	0	---	---	12
13	---	---	0 B	8.85	0.154A	0.089	0 E	0 E	0	0	---	---	13
14	---	---	0 B	8.44	0.150	0.081	0 E	0 E	0	0	---	---	14
15	---	---	0 B	8.27	0.144	0.034	0 E	0.010E	0	0	---	---	15
16	---	---	0 B	4.71	0.137	0.025	0 E	0.008E	0	0	---	---	16
17	---	---	0 B	3.95	0.116	0.027	0 E	0.003E	0	0	---	---	17
18	---	---	0 B	2.33	0.084	0.018	0 E	0.001A	0	0	---	---	18
19	---	---	0 B	3.03	0.100	0.011	0.013A	0.001	0	0	---	---	19
20	---	---	0 B	2.81	0.113	0.007	0.025	0	0	0	---	---	20
21	---	---	0 B	1.91	0.093	0.005	0.088	0	0	0	---	---	21
22	---	---	0 B	1.85	0.082	0.005	0.119	0	0	0	---	---	22
23	---	---	0 B	1.38	0.078	0.006	0.074	0	0	0	---	---	23
24	---	---	0 B	1.17	0.085	0.003	0.032	0	0	0	---	---	24
25	---	---	0 B	1.07	0.081	0.001	0.020	0	0	0	---	---	25
26	---	---	0.0048	0.978	0.085	0	0.013	0	0	0	---	---	26
27	---	---	0.0248	0.782	0.067	0 E	0.009A	0	0	0	---	---	27
28	---	---	0.0088	0.888	0.116	0 E	0.003A	0	0	0	---	---	28
29	---		0.0238	0.884	0.289	0 E	0.001A	0	0	0	---	---	29
30	---		0.0688	0.847	0.899	0 E	0.001	0	0	0	---	---	30
31	---		0.0288		0.484		0.002	0		0	---	---	31
TOTAL	---	---	0.151	120.845	8.588	1.890	0.374	0.033	0	0	---	---	TOTAL
MEAN	---	---	0.005	4.03	0.213	0.088	0.012	0.001	0	0	---	---	MEAN
MAX	---	---	0.088	11.7	0.899	0.349	0.119	0.010	0	0	---	---	MAX
MIN	---	---	0	0.015	0.081	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.930
MAXIMUM DAILY, 11.7 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
12.0 AT 08:31 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 09 23 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	32.3
FEB	---	AUG	1.99
MAR	13.0	SEP	0
APR	10 400	OCT	0
MAY	589	NOV	---
JUN	172	DEC	---

TOTAL DISCHARGE, 11 200 dam³

REMARKS - PUBLISHED AS GLENELLA DRAIN PRIOR TO 1986

ANGLING RIVER NEAR BIRD - STATION NO. OSUN001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.368	1.37 B	0.9008	0.7828	---	---	---	---	2.23	8.33	6.53	2.368	1
2	2.328	1.33 B	0.8808	0.7828	---	---	---	---	2.26	7.89	6.40	2.308	2
3	2.268	1.31 B	0.8808	0.7828	---	---	---	---	2.69	8.42	6.138	2.288	3
4	2.248	1.30 B	0.8708	0.7448	---	---	---	---	2.83	8.71	5.958	2.148	4
5	2.188	1.27 B	0.8608	0.7448	72.8A	---	---	---	3.53	8.29	5.738	2.088	5
6	2.148	1.25 B	0.8608	0.7448	87.4	---	---	---	4.27	8.31	5.548	2.028	6
7	2.108	1.23 B	0.8508	0.7448	87.8	---	---	---	4.81	8.33	5.388	1.948	7
8	2.088	1.21 B	0.8508	0.7448	86.0	---	---	---	5.80	8.33	5.158	1.878	8
9	2.028	1.20 B	0.8408	0.7448	81.3	---	---	---	5.80	8.30	4.958	1.838	9
10	1.988	1.18 B	0.8408	0.7448	47.3	---	---	---	6.39	8.28	4.788	1.738	10
11	1.948	1.16 B	0.8308	0.7448	44.0	---	---	---	8.86	8.20	4.648	1.888	11
12	1.908	1.15 B	0.8308	0.7448	40.5	---	---	---	12.4	7.90	4.478	1.838	12
13	1.878	1.13 B	0.8208	0.7448	---	---	---	1.83A	16.0	7.87	4.388	1.808	13
14	1.838	1.11 B	0.8108	0.7448	---	---	---	1.87	18.7	7.88	4.188	1.588	14
15	1.788	1.09 B	0.8008	0.7448	---	---	---	1.87	19.8	7.89	4.048	1.528	15
16	1.788	1.08 B	0.8008	---	---	---	---	1.36	19.7	7.88	3.938	1.478	16
17	1.738	1.07 B	0.7928	---	---	---	---	1.22	19.0	7.88	3.818	1.448	17
18	1.718	1.06 B	0.7928	---	---	---	---	1.30	18.1	7.92	3.688	1.428	18
19	1.688	1.05 B	0.7848	---	---	---	---	1.38	17.0	7.95	3.518	1.388	19
20	1.668	1.03 B	0.7848	---	---	---	---	1.32	16.4	7.84	3.428	1.368	20
21	1.608	1.01 B	0.7768	---	---	---	---	1.28	15.5	7.90	3.288	1.328	21
22	1.578	0.9888	0.7768	---	---	---	---	1.18	14.7	7.90	3.188	1.308	22
23	1.568	0.9888	0.7688	---	---	---	---	1.07	13.2	7.88	3.048	1.278	23
24	1.528	0.9778	0.7688	---	---	---	---	1.11	12.4	7.87	2.988	1.238	24
25	1.498	0.9888	0.7888	---	---	---	---	1.19	11.8	7.28	2.828	1.208	25
26	1.478	0.9888	0.7688	---	---	---	---	1.14	10.6	7.27	2.628	1.188	26
27	1.468	0.9338	0.7608	---	---	---	---	1.19	10.5	7.25	2.748	1.178	27
28	1.448	0.9228	0.7608	---	---	---	---	1.19	9.93	7.07	2.688	1.138	28
29	1.438		0.7608	---	---	---	---	1.38	9.57	7.07	2.548	1.118	29
30	1.428		0.7608	---	---	---	---	1.75	8.84	7.07	2.488	1.068	30
31	1.398		0.7528		---		---	1.79		7.09		1.078	31
TOTAL	58.91	31.380	25.088	---	---	---	---	---	323.03	244.18	125.20	48.89	TOTAL
MEAN	1.90	1.12	0.810	---	---	---	---	---	10.8	7.88	4.17	1.57	MEAN
MAX	2.38	1.37	0.900	---	---	---	---	---	19.7	8.71	6.53	2.38	MAX
MIN	1.39	0.922	0.752	---	---	---	---	---	2.23	7.07	2.48	1.07	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 38 N
LONG 93 38 20 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 930	JUL	---
FEB	2 710	AUG	---
MAR	2 170	SEP	27 900
APR	---	OCT	21 100
MAY	---	NOV	10 800
JUN	---	DEC	4 210

ANTLER RIVER NEAR MELITA - STATION NO 05NP002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0178	0.0238	0.0448	7.08 B	0.809	0.241	0.191	0.057	0	0	0.008	0.0018	1
2	0.0328	0.0158	0.0318	7.18 B	0.758	0.237	0.158	0.042	0	0	0.004	0.0018	2
3	0.0318	0.0098	0.0288	8.33 B	0.717	0.171	0.132	0.019	0	0	0.003	0.0018	3
4	0.0178	0.0138	0.0068	8.01 B	0.650	0.137	0.102	0.011	0	0	0.003	0.0018	4
5	0.0188	0.0188	0.0478	8.76 B	0.810	0.127	0.073	0.008	0	0	0.002	0.0018	5
6	0.0228	0.0208	0.1508	10.9 B	0.557	0.141	0.043	0.008	0	0	0.002	0.0018	6
7	0.0178	0.0278	0.1908	14.8	0.518	0.198	0.003	0.003	0	0	0.001	0.0018	7
8	0.0248	0.0428	0.1258	16.6	0.487	0.214	0	0.001	0	0	0.001	0.0018	8
9	0.0228	0.0848	0.1138	17.8	0.445	0.236	0	0	0	0	0.001	0.0018	9
10	0.0318	0.0848	0.1148	18.0	0.443	0.287	0	0	0	0	0	0.0028	10
11	0.0238	0.0888	0.1978	14.6	0.415	0.288	0	0	0	0	0	0.0028	11
12	0.0178	0.0788	0.3138	10.3	0.408	0.315	0	0	0	0	0	0.0028	12
13	0.0238	0.0848	0.3398	8.24	0.433	0.326	0	0	0	0	0	0.0028	13
14	0.0398	0.0858	0.3318	6.85	0.458	0.337	0	0.133	0	0	0	0.0028	14
15	0.0508	0.0858	0.3878	5.72	0.441	0.358	0	0.213	0	0	0.004	0.0028	15
16	0.0418	0.0588	0.4848	4.87	0.412	0.318	0	0.156	0	0	0.003	0.0028	16
17	0.0378	0.0588	0.5268	4.18	0.345	0.338	0	0.087	0	0	0.003	0.0028	17
18	0.0328	0.0448	0.3898	3.61	0.296	0.335	0.014	0.004	0	0	0.002	0.0028	18
19	0.0218	0.0488	0.3838	3.14	0.304	0.340	0.051	0	0	0	0.002	0.0028	19
20	0.0288	0.0738	0.3848	2.70	0.312	0.345	0.022	0	0	0	0.0028	0.0018	20
21	0.0268	0.0678	0.8018	2.22	0.282	0.340	0.018	0	0	0	0.0038	0.0018	21
22	0.0278	0.0858	2.20 B	1.88	0.278	0.344	0.008	0	0	0	0.0038	0.0018	22
23	0.0288	0.0848	3.48 B	1.65	0.284	0.329	0.004	0	0	0	0.0038	0.0018	23
24	0.0188	0.0448	5.34 B	1.48	0.200	0.305	0	0	0	0	0.0038	0.0018	24
25	0.0088	0.0518	7.84 B	1.35	0.150	0.290	0	0	0	0	0.0038	0.0018	25
26	0.0048	0.0378	12.8 B	1.22	0.138	0.285	0	0.003	0	0	0.0038	0.0018	26
27	0.0088	0.0348	12.3 B	1.10	0.188	0.238	0	0.008	0	0	0.0028	0.0018	27
28	0.0088	0.0388	11.2 B	1.04	0.188	0.228	0	0.003	0	0	0.0028	0.0018	28
29	0.0138		11.1 B	0.983	0.210	0.227	0	0	0	0.001	0.0028	0.0018	29
30	0.0178		8.41 B	0.877	0.270	0.220	0.041	0	0	0.025	0.0028	0.0018	30
31	0.0208		7.83 B		0.237		0.052	0		0.012		0 B	31
TOTAL	0.716	1.388	88.884	189.410	12.303	8.085	0.830	0.724	0	0.038	0.085	0.041	TOTAL
MEAN	0.023	0.049	2.87	8.31	0.384	0.269	0.030	0.023	0	0.001	0.002	0.001	MEAN
MAX	0.050	0.085	12.8	18.0	0.809	0.358	0.191	0.213	0	0.025	0.008	0.002	MAX
MIN	0.004	0.009	0.006	0.877	0.138	0.127	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.828
MAXIMUM DAILY, 18.0 ON APR 10
MINIMUM DAILY, 0 ON JUL 8
MAXIMUM INSTANTANEOUS,
18.7 AT 23:41 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 24 N
LONG 101 02 58 W
DRAINAGE AREA, 3 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	61.9	JUL	80.4
FEB	118	AUG	82.8
MAR	7 880	SEP	0
APR	16 400	OCT	3.28
MAY	1 080	NOV	5.82
JUN	898	DEC	3.54

TOTAL DISCHARGE, 26 200 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05MG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.56 B	0.254	0.028	0.018	0.018	0	0.006	---	---	1
2	---	---	0 B	2.49 B	0.202	0.033	0.018	0.008	0	0.005	---	---	2
3	---	---	0 B	3.48 B	0.166	0.040	0.010	0.001	0	0.005	---	---	3
4	---	---	0 B	5.48 B	0.138	0.027	0.007	0.001	0	0.004	---	---	4
5	---	---	0 B	7.72 B	0.144	0.023	0.002	0	0	0.008	---	---	5
6	---	---	0 B	9.88	0.112	0.018	0.002	0	0	0.012	---	---	6
7	---	---	0 B	8.13	0.088	0.012	0.008	0	0	0.013	---	---	7
8	---	---	0 B	6.04	0.072	0.008	0.004	0	0	0.015	---	---	8
9	---	---	0 B	4.15	0.058	0.004	0	0	0	0.015	---	---	9
10	---	---	0 B	2.81	0.047	0.007	0	0	0	0.014	---	---	10
11	---	---	0 B	2.08	0.037	0.025	0	0	0	0.013	---	---	11
12	---	---	0 B	1.84	0.027	0.010	0	0	0	0.012	---	---	12
13	---	---	0 B	1.83	0.020	0.005	0	0	0	0.032	---	---	13
14	---	---	0 B	2.84	0.018	0.001	0	0	0	0.034	---	---	14
15	---	---	0 B	2.76	0.010	0.001	0	0.003	0	0.019	---	---	15
16	---	---	0.0018	2.81	0.008	0.002	0	0.008	0	0.008	---	---	16
17	---	---	0.0028	2.36	0.007	0.041	0	0.001	0.021	0.005	---	---	17
18	---	---	0.0068	2.04	0.004	0.024	0.005	0.002	0.015	0.010	---	---	18
19	---	---	0.0088	1.72	0.008	0.012	0.574	0.002	0.008	0.001	---	---	19
20	---	---	0.0118	1.42	0.018	0.008	0.480	0.002	0.008	0.038	---	---	20
21	---	---	0.0188	1.21	0.008	0.008	0.313	0	0.003	0.024	---	---	21
22	---	---	0.0268	1.08	0.005	0.005	0.171	0	0.008	0.016	---	---	22
23	---	---	0.0408	0.911	0.005	0.018	0.098	0	0.002	0.018	---	---	23
24	---	---	0.0588	0.789	0.002	0.015	0.058	0	0.001	0.013	---	---	24
25	---	---	0.0838	0.826	0.002	0.003	0.028	0	0.002	0.025	---	---	25
26	---	---	0.0898	0.501	0.004	0.002	0.012	0	0.001	0.044	---	---	26
27	---	---	0.0788	0.418	0.008	0.001	0.005	0	0.001	0.054	---	---	27
28	---	---	0.4118	0.356	0.013	0.008	0.002	0	0.002	0.057	---	---	28
29	---		1.50 B	0.317	0.023	0.028	0.001	0	0.008	0.051	---	---	29
30	---		1.40 B	0.286	0.025	0.008	0.010	0	0.008	0.048	---	---	30
31	---		2.20 B		0.023		0.029	0		0.034		---	31
TOTAL	---	---	5.888	80.317	1.539	0.421	1.884	0.042	0.078	0.848	---	---	TOTAL
MEAN	---	---	0.190	2.68	0.050	0.014	0.060	0.001	0.003	0.021	---	---	MEAN
MAX	---	---	2.20	9.88	0.254	0.041	0.574	0.018	0.021	0.057	---	---	MAX
MIN	---	---	0	0.286	0.002	0.001	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.371
MAXIMUM DAILY, 9.88 ON APR 6
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA 870 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	180
FEB	---	AUG	3.83
MAR	509	SEP	6.74
APR	5 940	OCT	58.0
MAY	133	NOV	---
JUN	38.4	DEC	---

TOTAL DISCHARGE, 7 840 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO 05MJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.48	19.88	19.98	65.58	116	34.8	21.2	16.2	18.5A	16.7	16.6	15.3 B	1
2	20.38	20.58	20.08	82.48	111	34.8	21.6	16.8	18.5A	17.2	16.7	14.6 B	2
3	20.48	20.78	19.98	91.08	105	36.1	21.7	16.7	18.3A	17.1	16.6	14.2 B	3
4	20.78	20.58	19.98	99.78	104	36.5	21.5	15.4	18.9	17.7	16.1	14.7 B	4
5	21.08	20.18	19.78	110 B	101	33.7	21.4	15.6	20.3	18.5	16.7	15.6 B	5
6	20.88	19.38	19.38	140 B	98.2	33.5	20.7	16.0	20.9	21.0	16.5	16.1 B	6
7	20.58	18.48	18.98	134 B	94.9	33.5	20.3	16.4	21.3	22.5	20.8	17.1 B	7
8	20.38	18.58	19.18	148 B	90.3	32.6	20.0	17.2	21.4	22.6	20.9	17.8 B	8
9	20.48	19.68	20.28	246 B	89.2	31.0	19.7	17.2	21.5	21.8	20.1	18.1 B	9
10	20.38	19.78	20.78	224 A	83.6	30.5	20.8	17.2	21.4	21.4	19.9	20.8 B	10
11	20.48	19.88	21.08	221 E	82.9	29.8	20.4	16.0	20.5	21.7	21.5 B	22.2 B	11
12	20.28	19.88	20.88	179	79.3	29.3	20.1	19.1	21.9	21.6	21.2 B	22.4 B	12
13	20.08	19.48	19.98	171	75.7	28.3	21.7	19.6	23.7	21.3	23.5 B	21.0 B	13
14	19.88	19.18	18.88	178	73.2	26.7	23.6	20.7	22.7	21.5	24.5 B	18.3 B	14
15	19.88	19.48	18.18	173	70.9	25.6	23.9	24.7	21.7	20.4	21.4 B	17.0 B	15
16	19.28	20.08	19.38	170	68.7	25.3	23.8	28.2	21.2	19.1	21.9 B	15.5 B	16
17	18.88	19.88	20.88	172	62.8	25.7	23.4	33.5	20.8	18.8	21.9 B	15.3 B	17
18	19.38	19.78	21.48	169	63.4	24.3	22.8	46.3	19.8	18.1	20.0 B	13.2 B	18
19	19.78	19.78	20.78	169	61.7	23.7	23.4	50.0	18.2	17.8	21.1 B	11.2 B	19
20	19.48	19.28	20.28	190	58.5	23.2	23.7	44.1	22.4	17.8	20.0 B	9.928	20
21	18.88	18.78	19.48	187	54.1	21.8	23.9	37.1	23.6	17.5	14.0 B	9.718	21
22	18.38	18.38	18.38	181	51.5	20.7	23.1	31.0	24.6	17.3	9.138	10.4 B	22
23	18.18	18.88	18.08	151	47.0	21.7	22.7	27.7	25.0	17.9	8.709	11.8 B	23
24	17.58	18.88	18.28	154	42.7	22.0	22.1	26.1	22.5	18.1	12.2 B	12.0 B	24
25	17.88	20.28	18.28	149	41.1	22.3	21.8	25.4	21.0	18.5	12.4 B	11.7 B	25
26	18.98	20.48	19.08	138	40.0	21.8	21.8	23.8	20.6	19.1	9.538	12.3 B	26
27	18.88	20.18	21.48	134	39.1	21.5	21.2	22.0	19.8	18.8	8.828	11.7 B	27
28	18.48	19.88	24.78	126	38.8	21.3	20.7	20.7	20.6	18.8	11.8 B	10.7 B	28
29	18.28		32.88	116	38.3	21.1	19.8	19.3	21.8	18.8	15.0 B	10.3 B	29
30	18.48		44.88	118	37.0	21.2	18.8	18.0	18.8	18.8	15.2 B	10.5 B	30
31	18.98		55.58		36.2		19.0	18.5A		18.3		10.2 B	31
TOTAL	603.5	550.8	686.9	4 848.8	2 152.8	813.2	670.0	740.1	633.2	587.5	527.28	481.83	TOTAL
MEAN	19.5	19.7	22.2	155	69.4	27.1	21.6	23.9	21.1	19.3	17.6	14.6	MEAN
MAX	21.0	20.7	55.5	246	116	36.1	23.9	50.0	25.0	22.6	24.5	22.4	MAX
MIN	17.5	18.4	18.0	65.5	35.2	20.7	18.8	15.4	18.2	16.7	8.82	9.71	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 35.8
MAXIMUM DAILY, 2488 ON APR 9
MINIMUM DAILY, 8.828 ON NOV 27
MAXIMUM INSTANTANEOUS,
2710 AT 16:01 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 08 N
LONG 97 24 10 W
DRAINAGE AREA, 153 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	52 100	JUL	57 800
FEB	47 800	AUG	63 900
MAR	59 500	SEP	54 700
APR	402 000	OCT	51 600
MAY	188 000	NOV	46 600
JUN	70 300	DEC	39 000

TOTAL DISCHARGE, 1 130 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO 05MH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.08	16.28	15.68	38.38	43.2	15.4	12.5A	11.7	8.95	16.3	16.7	14.98	1
2	16.08	16.78	15.68	41.98	41.1	15.9	12.7E	11.4	8.86	16.0	16.7	15.88	2
3	16.18	17.18	13.98	47.88	38.9	15.4	12.8E	11.0	8.86	16.1	16.7	14.78	3
4	16.28	17.08	13.08	70.18	37.1	15.1	12.8E	11.0	8.75	16.0	16.7	15.98	4
5	16.38	16.98	12.78	94.38	35.6	15.2	12.9E	11.0	8.63	15.3	16.4	16.58	5
6	16.38	16.98	12.58	142 B	34.0	15.6	12.5E	10.6	8.77	15.1	16.2	16.28	6
7	16.28	16.88	12.88	160 B	32.5	15.5	12.5E	10.1	8.70	15.1	16.3	15.18	7
8	16.18	16.68	13.08	181	31.1	14.8	12.4E	9.60	8.55	14.2	16.1	15.18	8
9	17.98	16.78	13.98	221	29.8	14.1	12.5A	9.38	8.50	12.3	15.8	14.88	9
10	17.88	16.68	14.58	223	28.6	14.2	12.8	9.34	8.66	12.1	16.1	16.18	10
11	17.68	16.78	14.78	225	27.2	15.4	12.8	9.84	8.75	11.9	16.0	16.38	11
12	17.78	16.88	15.58	218	25.9	15.7	12.9	9.41	8.78	11.7	15.3	15.58	12
13	17.48	16.88	15.78	196	24.5	15.8	12.2	9.25	8.76	11.8	14.5	15.18	13
14	17.28	16.88	15.78	165	22.8	15.2	12.3	9.01	8.82	11.0	15.2	14.58	14
15	17.38	16.68	15.98	142	21.6	14.8	12.4	9.50	8.80	10.8	16.3	14.08	15
16	17.68	16.98	16.08	124	21.3	14.3	12.8	9.87	9.00	10.9	16.5	14.38	16
17	17.78	17.08	15.98	110	20.8	14.9	12.6	9.89	9.10	11.3	15.7	13.58	17
18	17.68	17.18	16.68	97.8	20.0	14.6	12.9	9.59	8.84	11.9	13.5	13.08	18
19	17.68	16.98	16.28	88.8	19.3	14.5	15.6	9.18	8.83	11.9	14.18	12.48	19
20	16.88	15.98	16.08	79.9	18.4	14.1	16.1	9.15	9.04	11.8	14.38	14.38	20
21	15.78	15.98	17.78	73.3	17.9	14.0	15.7	9.18	9.25	11.8	14.08	14.88	21
22	16.08	16.68	20.38	68.8	17.7	13.9	15.2	8.95	9.40	12.2	13.58	14.68	22
23	17.18	17.08	21.58	64.2	17.1	14.1	14.4	8.96	9.44	12.1	13.58	14.48	23
24	17.78	16.78	23.48	60.6	16.6	13.5	13.5	8.83	9.41	11.8	14.58	14.98	24
25	17.98	16.68	29.48	58.3	16.2	13.0	12.7	8.73	9.33	11.8	14.68	14.78	25
26	16.38	16.88	31.28	54.7	15.9	12.8	12.1	8.83	9.46	12.0	14.28	14.88	26
27	16.38	16.68	34.18	51.8	15.6	12.8	11.7	8.88	11.7	11.8	15.38	14.88	27
28	17.88	17.18	35.08	49.6	15.4	12.9	11.1	8.92	13.5	12.1	15.88	14.28	28
29	16.68		34.78	47.5	15.9	12.5	10.5	8.94	14.5	13.3	15.88	13.58	29
30	16.08		34.48	45.2	16.1	12.1	10.6	8.83	16.6	14.9	16.28	13.28	30
31	16.08		34.08		16.1		11.5	8.75		16.3		13.58	31
TOTAL	542.8	468.1	612.4	3 240.7	754.6	432.9	396.8	297.75	288.54	403.4	484.5	455.5	TOTAL
MEAN	17.5	16.7	19.8	108	24.3	14.4	12.8	9.60	9.62	13.0	15.5	14.7	MEAN
MAX	18.3	17.1	35.0	225	43.2	16.4	16.1	11.7	16.6	16.3	16.8	16.6	MAX
MIN	15.7	15.9	12.5	38.3	15.6	12.1	10.5	8.73	8.50	10.8	13.5	12.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 22.9
MAXIMUM DAILY, 225 ON APR 11
MINIMUM DAILY, 8.50 ON SEP 9
MAXIMUM INSTANTANEOUS,
225 AT 06:06 CST ON APR 11

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 06 10 W
DRAINAGE AREA, 85 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	45 800	JUL	34 300
FEB	40 400	AUG	25 700
MAR	52 900	SEP	24 800
APR	280 000	OCT	34 800
MAY	85 200	NOV	40 100
JUN	37 400	DEC	39 400

TOTAL DISCHARGE, 722 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.48	21.78	23.08	1368	107	34.9	33.8	15.5	20.9	24.4	18.3	21.98	1
2	22.18	21.78	21.38	1418	104	33.8	32.8	15.8	21.5	25.4	20.0	24.48	2
3	21.78	19.48	19.68	1808	101	34.5	22.0	16.5	21.8	26.9	21.3	23.88	3
4	21.18	20.78	22.38	2008	98.7	34.0	22.3	17.1	21.8	26.7	21.3	24.58	4
5	21.68	23.38	23.48	2328	97.0	32.5	22.1	17.5	21.5	26.4	21.7	23.18	5
6	21.18	22.68	23.38	2278	93.5	31.3	23.3	17.8	21.4	26.4	22.0	22.38	6
7	21.68	22.38	23.58	3338	90.0	30.2	24.3	18.2	20.5	25.7	21.7	22.28	7
8	21.98	21.68	22.78	3218	86.5	29.5	24.7	18.8	18.7	25.2	21.4	20.08	8
9	21.58	21.78	21.08	321	82.9	28.6	25.3	19.1	17.2	24.3	21.3	17.78	9
10	21.68	20.38	18.38	316	78.8	27.6	27.7	19.4	18.0	23.8	21.4	17.38	10
11	21.58	21.58	19.08	319	75.4	27.1	27.6	20.5	19.1	22.9	20.5	14.88	11
12	21.28	22.48	22.78	324	72.0	26.3	27.4	20.4	18.2	21.0	20.1	17.38	12
13	19.88	21.68	24.28	321	68.0	25.7	26.5	20.5	14.5	20.1	20.5	16.18	13
14	20.68	21.58	24.88	313	64.9	24.8	24.8	24.1	13.9	19.5	20.9	15.88	14
15	21.28	21.38	24.18	282	61.5	23.9	24.5	38.6	13.7	19.4	21.1	11.78	15
16	21.58	20.48	23.68	281	58.1	23.4	23.5	40.2	13.3	19.0	20.5	15.18	16
17	20.48	19.48	22.88	234	57.0	23.5	22.2	38.5	14.1	17.9	21.3	16.78	17
18	20.38	21.38	24.38	215A	54.9	23.1	21.2	31.4	17.6	17.8	22.0	17.58	18
19	21.28	22.68	24.28	197A	50.3	22.3	22.7	27.7	18.8	17.4	20.8	18.38	19
20	20.38	22.28	24.98	180A	45.6	22.9	22.0	25.1	18.5	17.4	14.9	14.88	20
21	20.28	21.98	25.88	165A	42.1	23.2	21.9	24.8	18.9	16.5	8.57	19.58	21
22	22.88	21.48	26.68	154	39.8	22.8	22.8	23.8	15.5	18.9	14.6	15.18	22
23	21.58	20.58	29.48	145	37.5	23.5	22.8	21.6	15.2	18.9	24.6	13.78	23
24	20.28	20.48	36.48	140	38.4	23.1	21.8	20.0	15.5	18.7	23.7	10.88	24
25	19.78	21.28	46.08	134	38.7	22.4	20.4	18.8	16.0	18.4	21.1	11.78	25
26	20.48	23.38	61.78	128	38.1	22.8	19.0	18.4	17.0	18.2	22.1	11.28	26
27	20.68	22.78	78.08	124	34.7	22.4	17.7	18.1	18.1	18.1	21.3	11.68	27
28	21.68	22.78	83.78	118	34.3	22.3	16.7	17.8	20.0	17.9	21.4 E	13.68	28
29	22.78		110 E	114	34.4	22.4	16.2	17.6	20.9	17.9	21.0 E	13.68	29
30	22.88		127 E	111	35.1	22.8	15.7	18.2	22.8	17.2	20.6 E	14.58	30
31	22.68		130 E		35.5		15.0	18.6		17.3		13.48	31
TOTAL	680.8	604.2	1 209.7	6 471	1 550.7	787.4	690.4	683.3	526.8	647.7	611.97	525.8	TOTAL
MEAN	21.3	21.6	39.0	216	62.8	26.2	22.3	22.0	17.6	20.9	20.4	17.0	MEAN
MAX	22.9	23.3	130	333	107	34.9	27.7	40.2	22.8	26.9	24.6	24.5	MAX
MIN	19.7	19.4	18.3	111	34.3	22.2	15.0	15.8	13.3	17.2	8.57	10.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.1
MAXIMUM DAILY, 3338 ON APR 7
MINIMUM DAILY, 8.57 ON NOV 21
MAXIMUM INSTANTANEOUS
4778 AT 11 04 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 55 W
DRAINAGE AREA, 152 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	57 100	JUL	59 700
FEB	52 200	AUG	59 000
MAR	105 000	SEP	45 700
APR	559 000	OCT	55 000
MAY	189 000	NOV	52 900
JUN	68 000	DEC	45 400

TOTAL DISCHARGE, 1 330 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.88	15.88	13.4 B	23.38	15.4	11.5	12.3	10.5	8.52	11.9	15.7	11.3 B	1
2	15.98	15.88	12.1 B	27.18	14.8	11.3	11.9	10.6	8.51	11.6	15.6	11.0 B	2
3	15.88	15.98	12.3 B	41.48	14.3	11.6	11.6	10.3	8.56	11.5	15.2	10.5 B	3
4	15.78	15.89	13.4 B	58.88	13.9	11.8	11.8	10.2	8.43	11.3	15.1	11.0 B	4
5	15.68	15.98	13.7 B	77.18	13.6	11.5	11.5	10.0	8.43	11.1	15.0	11.4 B	5
6	15.58	15.98	13.8 B	97.28	13.4	11.5	11.4	9.70	8.43	11.1	15.1	12.0 B	6
7	15.48	15.88	14.0 B	111 B	13.0	12.5	11.5	9.68	8.33	11.1	15.1	11.8 B	7
8	15.48	15.89	14.1 B	141 B	12.8	12.8	11.5	9.55	8.18	10.8	15.0	12.9 B	8
9	15.38	16.28	12.4 B	156 A	12.4	12.4	11.4	9.51	8.13	10.6	14.98	13.5 B	9
10	15.18	16.28	10.7 B	144 A	12.0	12.2	11.4	9.46	8.14	10.4	14.38	13.9 B	10
11	14.98	15.28	10.1 B	112 E	11.8	12.2	11.9	9.43	8.33	10.3	15.89	13.1 B	11
12	15.28	16.38	9.168	89.1E	11.6	12.5	12.4	9.40	8.51	10.1	15.48	13.1 B	12
13	15.68	16.58	9.108	67.9E	11.4	12.5	12.2	9.34	8.52	10.5	15.08	12.8 B	13
14	15.68	16.58	9.288	51.9A	11.2	12.2	12.4	9.31	8.55	11.1	14.88	11.6 B	14
15	15.48	16.58	8.518	43.9	11.3	12.0	13.1	9.28	8.51	11.2	14.28	9.818	15
16	15.48	15.88	7.908	38.1	11.1	12.0	13.5	9.24	8.44	11.1	13.38	9.488	16
17	13.08	14.18	7.338	33.8	11.1	12.3	12.6	9.21	8.92	11.1	13.18	10.2 B	17
18	12.28	17.08	7.168	30.1	11.2	11.8	12.1	9.19	9.03	11.0	12.38	10.4 B	18
19	15.48	17.88	7.038	27.3	11.4	12.0	12.6	9.15	8.54	11.0	12.28	10.4 B	19
20	16.38	17.28	7.188	25.1	11.3	11.8	12.3	9.03	8.61	10.8	12.88	10.7 B	20
21	16.48	16.58	8.288	23.4	11.3	11.9	12.0	8.98	8.35	10.7	11.48	11.7 B	21
22	16.98	16.58	9.868	22.2	11.2	12.1	11.5	8.81	9.27	10.7	11.18	12.1 B	22
23	16.58	16.68	12.0 B	21.3	11.2	12.1	11.0	8.73	11.5	10.7	12.78	11.7 B	23
24	16.78	16.98	15.7 B	20.6	11.3	12.2	10.6	8.69	11.2	10.8	15.58	10.2 B	24
25	16.98	17.08	19.0 B	19.8	11.2	12.3	10.4	8.57	13.8	11.7	15.98	10.7 B	25
26	13.58	16.48	19.5 B	19.8	10.9	12.0	10.4	8.57	13.5	13.9	13.78	11.7 B	26
27	14.88	13.48	22.1 B	18.9	10.8	12.0	10.3	8.57	13.1	15.4	13.08	11.1 B	27
28	15.18	12.18	23.4 B	17.8	11.0	12.0	9.99	8.57	12.7	15.8	12.88	10.8 B	28
29	15.28		23.4 B	17.0	11.5	12.3	9.89	8.60	12.3	15.8	12.08	11.3 B	29
30	15.88		23.5 B	16.1	11.5	12.6	10.1	8.57	12.2	15.8	11.88	11.3 B	30
31	15.88		24.4 B		11.3		10.4	8.53		15.6		11.0 B	31
TOTAL	475.4	446.3	413.69	1 691.5	372.2	382.1	358.18	287.32	293.84	386.3	419.1	354.49	TOTAL
MEAN	15.3	16.0	13.4	53.1	12.0	12.1	11.6	9.27	9.79	11.6	14.0	11.4	MEAN
MAX	16.7	17.8	24.4	156	15.4	12.8	13.5	10.6	14.2	15.8	15.9	13.8	MAX
MIN	12.2	12.1	7.03	16.1	10.8	11.3	9.89	8.53	8.13	10.1	11.1	9.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.7
MAXIMUM DAILY, 156A ON APR 9
MINIMUM DAILY, 7.038 ON MAR 19
MAXIMUM INSTANTANEOUS
159 AT 14 55 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 39 N
LONG 101 02 06 W
DRAINAGE AREA, 78 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41 100	JUL	30 800
FEB	38 700	AUG	24 800
MAR	35 600	SEP	25 400
APR	138 000	OCT	31 800
MAY	32 200	NOV	36 200
JUN	31 300	DEC	30 600

TOTAL DISCHARGE, 497 000 dam³

ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.18	20.88	22.28	88.18	106	38.8	24.3	19.8	20.8	20 0	20.8	18.1 B	1
2	20.28	21.18	23.88	78.78	107	38.3	24.3	19.8	22.0	20.3	20.7	18.6 B	2
3	20.38	21.08	23.88	73.48	105	34.8	24.3	19.3	22.3	21.2	21.4	18.2 B	3
4	20.18	20.48	22.28	83.38	101	34.0	23.4	19.3	23.2	22 4	22.0	17.2 B	4
5	20.28	19.88	19.88	107 B	97.8	33.9	22.8	19.7	23.4	24.2	22.9	17.8 B	5
6	19.78	19.88	20.48	101 B	93.8	33.7	22.9	20.4	23.8	24.1	22.8	18.8 B	6
7	19.58	20.38	20.98	122 B	92.8	32.8	22.4	20.3	23.8	23.8	23.9	19.7 B	7
8	19.18	20.68	21.28	116 B	88.0	31.8	22.8	20.0	23.2	23.8	23.1	20.0 B	8
9	19.18	20.88	21.78	132 B	84.4	30.8	22.7	20.2	22.3	23.8	23.6	22.8 B	9
10	19.08	20.88	22.18	163	83.3	30.1	23.0	21.3	24.0	23.0	23.4	24.4 B	10
11	19.18	21.18	22.28	147	78.0	29.8	24.8	23.4	24.7	22.5	23.0	24.7 B	11
12	19.28	20.78	21.08	161	75.4	28.8	25.7	22.9	24.0	22.8	24.1	23.2 B	12
13	19.08	20.58	20.88	186	72.0	28.2	25.7	22.1	23.1	21.7	22.8	20.0 B	13
14	18.58	20.88	21.28	181	67.7	27.8	25.8	23.8	22.7	20.8	23.0	18.7 B	14
15	17.88	21.18	21.88	187	62.1	27.8	25.6	30.0	22.3	20.4	23.8	17.1 B	15
16	18.18	21.28	21.78	187	61.4	26.4	24.7	39.8	20.7	20 1	24.0	18.8 B	16
17	18.78	21.18	22.18	187	61.1	26.8	24.5	47.2	21.0	20 1	23 8	13.5 B	17
18	19.28	21.18	22.18	178	58.8	26.0	24.3	41.8	24.2	19 9	21.28	12.4 B	18
19	19.48	20.78	21.78	205	53.1	24.3	25.8	35.5	25 0	18 5	20.08	10.6 B	19
20	19.38	20.88	21.48	192	50.8	23.3	24.8	30.4	26 2	18.7	17.88	8.858	20
21	19.88	21.38	20.88	187	46.3	24.8	24.5	27.5	26.2	20 1	18.38	11.4 B	21
22	19.28	21.78	20.88	188	42.4	26.3	24.3	26.3	23.4	20 3	12.48	13.0 B	22
23	18.88	22.08	19.88	186	39.3	25 7	24.2	25.7	22.1	20 8	10.68	13.2 B	23
24	19.28	22.18	18.58	148	36.8	25.0	24.2	24.4	22.8	21.0	14.08	12.8 B	24
25	19.88	22.38	20.38	140	37.8	24.4	23.8	33.1	21.3	20 9	17.08	13.5 B	25
26	20.08	22.58	22.88	138	38.1	24.1	23.4	32.0	22 8	20 8	15.08	11.8 B	26
27	19.88	22.88	24.48	125	37.7	24.0	22.8	31 0	23.8	21 0	14.08	11.8 B	27
28	19.38	22.88	26.18	118	37.2	24.0	21.8	29.9	20 1	20.9	15.58	11.4 B	28
29	19.48		41.48	120	36.8	23.8	21.0	28.8	19 8	20 9	16.88	11.8 B	29
30	19.98		48.78	117	36.8	23.5	20.8	28.8	20.2	20 7	16.88	11.3 B	30
31	20.28		58.58		36.7		19.8	28.8		20 8		11 0 B	31
TOTAL	600.5	591.8	770.2	4 106.8	2 025.8	847.7	734.2	767.8	683 8	681 4	586.2	487 98	TOTAL
MEAN	19.4	21.1	24.8	137	88.3	28.3	23.7	24.8	22 8	21 3	19 9	15 7	MEAN
MAX	20.3	22.8	58.5	205	106	38.8	25.8	47.2	26.2	24 2	24 1	24 7	MAX
MIN	17.8	19.8	19.5	88.1	36.8	23.3	19.8	19.3	19.8	19.5	19.8	8 85	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 35.3
MAXIMUM DAILY, 205 ON APR 19
MINIMUM DAILY, 8.858 ON DEC 30
MAXIMUM INSTANTANEOUS,
208 AT 04:12 CST ON APR 19

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 09 N
LONG 98 18 43 W
DRAINAGE AREA, 152 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	51 900	JUL	63 400
FEB	51 100	AUG	66 300
MAR	66 500	SEP	59 100
APR	356 000	OCT	57 100
MAY	175 000	NOV	51 500
JUN	73 200	DEC	42 100

TOTAL DISCHARGE, 1 110 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05ME001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.2 B	10.5 B	5.488	3.28	6.78	8.99	9.36	7.89	7.73	7.62	10 6	10 1 B	1
2	13.8 B	10.8 B	5.408	3.31	6.89	8.85	9.29	7.88	7.72	7.54	10 8	10 1 B	2
3	13.9 B	10.8 B	5.388	4.58	6.88	8.89	9.18	7.86	7.79	7.58	10 7	10 0 B	3
4	13.8 B	10.6 B	5.528	6.73	6.84	7.83	9.31	7.87	7.71	7.68	10 8	9 858	4
5	13.8 B	10.8 B	5.178	22.2	6.83	8.48	9.24	7.88	7.69	7.81	10 7	10.5 B	5
6	13.2 B	10.7 B	4.268	28.0	6.83	8.56	9.42	7.85	7.72	7.58	10 7	10 8 B	6
7	13.2 B	10.8 B	3.348	28.3	6.48	8.55	9.42	7.87	7.66	7.56	10 7	9 882	7
8	12.0 B	10.8 B	2.878	27.4	6.48	8.50	9.21	7.85	7.71	7.60	10 6	8 138	8
9	12.3 B	10.9 B	3.238	23.8	6.47	8.54	9.27	7.85	7.69	7.50	10 6	7 938	9
10	13.9 B	10.8 B	4.008	21.2	6.46	8.58	9.33	7.87	7.74	7.50	10 8	7 948	10
11	12.8 B	11.1 B	2.788	17.7	6.40	8.84	9.17	7.89	7.73	7.58	10 5	8 008	11
12	12.4 B	10.9 B	2.898	14.3	6.41	8.54	9.18	7.88	7.66	7.55	10 4	8 338	12
13	12.9 B	10.3 B	2.838	12.0	6.48	8.52	9.26	7.81	7.69	7.55	8 78	7 118	13
14	12.2 B	6.888	3.108	10.4	6.44	8.48	8.87	7.87	7.78	7.49	10 2	7 588	14
15	7.828	10.8 B	3.00	9.41	6.60	8.48	8.18	7.87	7.69	7.49	10 2	8 948	15
16	12.5 B	12.4 B	3.01	8.62	6.48	8.70	7.83	7.83	7.86	7.50	10 1	9 188	16
17	13.7 B	11.3 B	3.00	7.77	6.47	8.17	7.41	7.88	8.10	7.52	9 93	9 858	17
18	13.4 B	10.2 B	3.04	7.24	6.48	8.11	7.37	7.73	7.86	7.51	9 778	10 2 B	18
19	11.7 B	10.2 B	3.11	6.83	6.52	8.12	7.88	7.72	7.75	7.55	9 718	10 1 B	19
20	13.8 B	10.3 B	3.07	6.47	6.52	8.18	7.86	7.78	7.70	7.54	9 588	8 888	20
21	13.5 B	9.888	3.67	6.13	6.47	8.28	7.38	7.78	7.84	7.51	8 418	7 038	21
22	13.3 B	8.728	3.56	5.83	6.48	8.33	7.37	7.72	7.58	7.58	9 318	8 278	22
23	8.818	7.468	3.32	5.80	6.54	8.57	7.80	7.71	7.54	9 38	9 188	8 928	23
24	11.1 B	4.388	3.38	7.58	6.57	8.41	7.44	7.78	7.52	10.8	9 088	8 888	24
25	10.5 B	3.078	3.26	7.52	6.58	8.38	7.38	7.78	7.80	10.8	8 888	8 378	25
26	10.8 B	5.238	3.37	7.30	6.86	8.32	7.43	7.78	7.84	10.8	8 688	9 288	26
27	11.2 B	3.448	3.48	7.08	6.88	8.38	7.47	7.76	7.89	10 8	8 888	8 818	27
28	10.9 B	4.268	2.52	7.01	6.81	8.47	7.51	7.73	7.88	10 8	8 668	8 578	28
29	10.8 B		3.27	6.80	6.77	8.47	7.53	7.77	7.82	10 7	8 518	8 628	29
30	10.9 B		3.67	6.81	6.86	8.33	7.43	7.78	7.80	10 8	8 818	9 138	30
31	10.7 B		3.56		6.83		7.88	7.75		10 7		8 528	31
TOTAL	378.93	287.19	111.80	342.41	203.34	261.39	287.91	238.91	230.81	281 47	295 86	278.33	TOTAL
MEAN	12.2	9.19	3.80	11.4	6.56	8.71	8.31	7.89	7.89	8 43	9 86	8 98	MEAN
MAX	14.2	12.4	5.52	29.3	6.81	9 57	9 42	7 89	8 10	10.8	10 8	10 8	MAX
MIN	7 52	3.07	2.52	3.28	6.40	8 88	7.36	7.55	7.50	7.49	8 51	7 03	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.54
MAXIMUM DAILY, 29.3 ON APR 7
MINIMUM DAILY, 2.52 ON MAR 26
MAXIMUM INSTANTANEOUS,
33.9 AT 21:53 CST ON APR 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 35 N
LONG 101 28 10 W
DRAINAGE AREA, 19 300 km²

B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	32 700	JUL	22 200
FEB	22 200	AUG	20 600
MAR	9 840	SEP	19 900
APR	29 600	OCT	22 600
MAY	17 600	NOV	25 600
JUN	22 600	DEC	24 000

TOTAL DISCHARGE, 289 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO. 05KG005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	291.808	291.814	291.830	291.842	291.871	291.907	291.848	291.891	291.825	291.788	291.731	291.707	1
2	291.807	291.814	291.831	291.840	291.869	291.913	291.861	291.878	291.816	291.780	291.738	291.703	2
3	291.804	291.817	291.821	291.840	291.873	291.897	291.859	291.875	291.818	291.783	291.737	291.709	3
4	291.808	291.816	291.819	291.834	291.880	291.902	291.857	291.878	291.825	291.785	291.740	291.707	4
5	291.813	291.817	291.822	291.841	291.885	291.896	291.858	291.863	291.817	291.789	291.730	291.712	5
6	291.810	291.817	291.826	291.835	291.882	291.892	291.855	291.886	291.823	291.790	291.721	291.713	6
7	291.812	291.818	291.828	291.840	291.880	291.900	291.858	291.863	291.828	291.780	291.723	291.708	7
8	291.814	291.817	291.829	291.843	291.890	291.905	291.858	291.866	291.834	291.774	291.721	291.717	8
9	291.813	291.820	291.826	291.835	291.878	291.899	291.871	291.854	291.834	291.784	291.712	291.713	9
10	291.811	291.816	291.825	291.838	291.878	291.894	291.884	291.838	291.833	291.786	291.718	291.721	10
11	291.811	291.821	291.828	291.835	291.883	291.908	291.889	291.856	291.833	291.781	291.714	291.730	11
12	291.810	291.818	291.823	291.844	291.880	291.904	291.859	291.878	291.824	291.778	291.721	291.728	12
13	291.813	291.830	291.824	291.847	291.890	291.912	291.859	291.858	291.821	291.800	291.713	291.729	13
14	291.812	291.826	291.819	291.845	291.882	291.907	291.890	291.861	291.826	291.775	291.700	291.727	14
15	291.810	291.830	291.819	291.846	291.887	291.897	291.888	291.880	291.816	291.784	291.723	291.726	15
16	291.808	291.832	291.826	291.853	291.883	291.884	291.893	291.861	291.820	291.784	291.727	291.725	16
17	291.811	291.828	291.825	291.856	291.878	291.903	291.890	291.863	291.818	291.770	291.723	291.728	17
18	291.813	291.827	291.825	291.858	291.874	291.902	291.888	291.865	291.818	291.788	291.725	291.728	18
19	291.812	291.828	291.826	291.856	291.872	291.894	291.883	291.861	291.818	291.780	291.728	291.731	19
20	291.808	291.826	291.828	291.853	291.878	291.888	291.887	291.858	291.818	291.750	291.712	291.734	20
21	291.813	291.830	291.843	291.850	291.888	291.878	291.897	291.855	291.815	291.740	291.714	291.731	21
22	291.808	291.828	291.849	291.858	291.884	291.886	291.897	291.852	291.819	291.744	291.713	291.734	22
23	291.809	291.828	291.849	291.871	291.883	291.903	291.898	291.849	291.810	291.742	291.706	291.733	23
24	291.811	291.827	291.848	291.856	291.882	291.898	291.888	291.841	291.807	291.739	291.706	291.732	24
25	291.812	291.826	291.844	291.859	291.883	291.891	291.891	291.839	291.808	291.743	291.711	291.731	25
26	291.811	291.829	291.842	291.875	291.887	291.878	291.890	291.841	291.800	291.751	291.714	291.737	26
27	291.814	291.828	291.844	291.873	291.885	291.877	291.895	291.838	291.800	291.738	291.710	291.734	27
28	291.811	291.823	291.842	291.878	291.884	291.876	291.898	291.837	291.798	291.733	291.714	291.731	28
29	291.816		291.842	291.872	291.882	291.871	291.890	291.848	291.795	291.740	291.716	291.730	29
30	291.811		291.838	291.873	291.874	291.885	291.883	291.841	291.783	291.733	291.710	291.740	30
31	291.808		291.841		291.878		291.888	291.833		291.728		291.739	31
MEAN	291.811	291.823	291.832	291.853	291.878	291.895	291.882	291.857	291.817	291.784	291.719	291.725	MEAN
MAX	291.816	291.832	291.849	291.878	291.890	291.913	291.897	291.891	291.834	291.800	291.740	291.740	MAX
MIN	291.804	291.814	291.819	291.834	291.862	291.885	291.848	291.833	291.783	291.728	291.700	291.703	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN. 291.821
MAXIMUM DAILY. 291.913 ON JUN 2
MINIMUM DAILY. 291.700 ON NOV 14
MAXIMUM INSTANTANEOUS.
292.050 AT 17 12 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

BACK LAKE NEAR OXFORD HOUSE - STATION NO. 04AA003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	187.388	187.312	187.402	---	---	---	187.109	187.004	186.984	1
2	---	---	---	187.377	187.319	187.408	---	---	---	187.109	187.018	186.981	2
3	---	---	---	187.377	187.324	187.397	---	---	---	187.107	187.023	186.958	3
4	---	---	---	187.388	187.343	187.403	---	---	---	187.138	187.038	186.982	4
5	---	---	---	187.385	187.387	187.404	---	---	---	187.095	187.035	186.983	5
6	---	---	---	187.350	187.372	187.385	---	---	---	187.084	186.970	186.982	6
7	---	---	---	187.345	187.374	187.380	---	---	---	187.081	186.910	186.983	7
8	---	---	---	187.345	187.369	187.375	---	---	---	187.082	186.898	186.987	8
9	---	---	---	187.328	187.381	187.382	---	---	---	187.079	186.897	186.976	9
10	---	---	---	187.314	187.374	187.384	---	---	---	187.087	186.908	186.977	10
11	---	---	---	187.313	187.381	187.375	---	---	---	187.088	186.918	186.982	11
12	---	---	---	187.309	187.386	187.375	---	---	---	187.078	186.919	186.981	12
13	---	---	---	187.309	187.382	187.380	---	---	---	187.083	186.924	186.979	13
14	---	---	---	187.307	187.403	187.405	---	---	---	187.080	186.928	186.980	14
15	---	---	---	187.301	187.389	187.382	---	---	---	187.083	186.939	186.984	15
16	---	---	---	187.309	187.393	187.355	---	---	---	187.068	186.949	186.982	16
17	---	---	---	187.309	187.393	187.353	---	---	---	187.068	186.965	186.980	17
18	---	---	---	187.310	187.388	187.372	---	---	---	187.051	186.953	186.983	18
19	---	---	---	187.313	187.395	187.347	---	---	---	187.044	186.951	186.988	19
20	---	---	---	187.328	187.401	187.345	---	---	---	187.038	186.948	186.992	20
21	---	---	---	187.237	187.390	187.313	---	---	---	187.031	186.948	186.991	21
22	---	---	---	187.246	187.383	187.313	---	---	187.188A	187.027	186.947	186.990	22
23	187.303	---	---	187.281	187.386	187.315	---	---	187.189	187.018	186.950	186.989	23
24	---	---	---	187.287	187.387	187.334A	---	---	187.184	187.030	186.949	186.988	24
25	---	---	---	187.288	187.381	---	---	---	187.179	187.058	186.952	186.984	25
26	---	---	---	187.275	187.378	---	---	---	187.138	187.058	186.956	186.986	26
27	---	---	---	187.296	187.383	---	---	---	187.145	187.027	186.959	186.981	27
28	---	---	---	187.300	187.381	---	---	---	187.144	187.023	186.952	186.983	28
29	---		---	187.315	187.384	---	---	---	187.149	187.014	186.952	186.982	29
30	---		---	187.314	187.378	---	---	---	187.132	187.005	186.953	186.984	30
31	---		---		187.381		---	---		187.008		186.982	31
MEAN	---	---	---	187.247	187.378	---	---	---	---	187.084	186.954	186.978	MEAN
MAX	---	---	---	187.315	187.403	---	---	---	---	187.157	187.038	186.992	MAX
MIN	---	---	---	187.201	187.312	---	---	---	---	187.005	186.897	186.958	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY. 187.408 ON JUN 2
MINIMUM DAILY. 186.897 ON NOV 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 30 N
LONG 95 14 60 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -186.897 M ADJUSTMENT TO CONVERT TO ASSUMED DATUM

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 05OA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0188	0.0088	0.0088	15.6 B	3.78	0.858	0.004	0.008	0.384	0.037	0.026	0.032	1
2	0.0188	0.0088	0.0078	28.8 B	3.38	0.881	0.003	0.008	0.308	0.034	0.026	0.0228	2
3	0.0148	0.0088	0.0078	27.8 B	3.10	0.481	0.002	0.008	0.287	0.032	0.029	0.0218	3
4	0.0148	0.0088	0.0078	38.6 B	2.85	0.338	0.001	0.007	0.218	0.034	0.028	0.0218	4
5	0.0138	0.0088	0.0078	48.6 B	2.68	0.220	0	0.004	0.182	0.036	0.028	0.0218	5
6	0.0138	0.0088	0.0078	40.2 B	2.38	0.182	0	0.001	0.145	0.035	0.025	0.0228	6
7	0.0138	0.0088	0.0088	30.4	2.16	0.220	0	0	0.107	0.035	0.022	0.0228	7
8	0.0138	0.0088	0.0088	24.2	2.00	0.238	0	0	0.106	0.035	0.021	0.0228	8
9	0.0138	0.0088	0.0108	21.7	1.87	0.180	0	0	0.089	0.035	0.020	0.0228	9
10	0.0138	0.0088	0.0118	19.5	1.84	0.114	0	0	0.091	0.032	0.019	0.0218	10
11	0.0138	0.0088	0.0118	17.6	1.40	0.082	0	0	0.082	0.030	0.018	0.0218	11
12	0.0138	0.0088	0.0118	17.4	1.17	0.074	0.002	0	0.080	0.030	0.018	0.0228	12
13	0.0148	0.0088	0.0108	18.2	1.36	0.088	0.008	0	0.088	0.028	0.019	0.0228	13
14	0.0148	0.0088	0.0108	16.1	1.18	0.088	0.008	1.23	0.087	0.027	0.020	0.0218	14
15	0.0148	0.0088	0.0088	14.2	0.788	0.088	0.007	4.81	0.080	0.027	0.021	0.0218	15
16	0.0148	0.0088	0.0088	12.8	0.780	0.043	0.004	5.98	0.080	0.030	0.024	0.0208	16
17	0.0148	0.0088	0.0088	11.3	0.700	0.037	0.002	4.18	0.088	0.033	0.026	0.0188	17
18	0.0148	0.0088	0.0088	10.8	0.580	0.033	0.003	3.08	0.084	0.032	0.027	0.0188	18
19	0.0138	0.0088	0.0088	9.44	0.438	0.031	0.008	2.70	0.074	0.031	0.027	0.0178	19
20	0.0138	0.0088	0.0178	8.28	0.483	0.030	0.010	2.38	0.088	0.028	0.026	0.0178	20
21	0.0138	0.0108	0.0338	7.58	0.518	0.027	0.010	2.18	0.078	0.026	0.024	0.0178	21
22	0.0128	0.0108	0.0548	7.30	0.370	0.024	0.010	1.87	0.071	0.027	0.023	0.0178	22
23	0.0128	0.0108	0.0858	6.58	0.233	0.022	0.010	1.57	0.064	0.027	0.022	0.0188	23
24	0.0128	0.0098	0.1088	6.13	0.187	0.020	0.010	1.38	0.057	0.027	0.021	0.0188	24
25	0.0118	0.0088	0.1088	5.78	0.378	0.018	0.010	1.23	0.054	0.027	0.020	0.0188	25
26	0.0108	0.0088	2.26 B	5.18	0.4238	0.012	0.008	1.08	0.048	0.028	0.020	0.0188	26
27	0.0108	0.0088	3.15 B	4.68	0.3988	0.010	0.008	0.938	0.043	0.028	0.021	0.0188	27
28	0.0108	0.0088	5.52 B	4.48	0.3588	0.008	0.004	0.797	0.041	0.028	0.022	0.0178	28
29	0.0088		3.77 B	4.11	0.478	0.007	0.001	0.701	0.043	0.028	0.023	0.0178	29
30	0.0088		2.38 B	3.90	0.840	0.008	0.001	0.588	0.040	0.027	0.023	0.0188	30
31	0.0088		4.68 B		0.848		0.003	0.482		0.027		0.0178	31
TOTAL	0.389	0.240	22.217	483.18	39.282	3.797	0.128	38.818	3.133	0.944	0.889	0.595	TOTAL
MEAN	0.013	0.008	0.717	16.1	1.27	0.128	0.004	1.19	0.104	0.030	0.023	0.018	MEAN
MAX	0.018	0.010	5.52	48.6	3.78	0.881	0.010	5.98	0.384	0.037	0.029	0.032	MAX
MIN	0.008	0.008	0.007	3.90	0.187	0.008	0	0	0.040	0.027	0.018	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.82
MAXIMUM DAILY, 48.6B ON APR 5
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
53.2B AT 19:50 CST ON APR 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 16 N
LONG 99 19 23 W
DRAINAGE AREA, 1 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	33 8	JUL	11 1
FEB	20 7	AUG	3 190
MAR	1 920	SEP	271
APR	41 700	OCT	81 5
MAY	3 390	NOV	59 5
JUN	325	DEC	51 4

TOTAL DISCHARGE, 51 100 dam³

BALD HILL RESERVOIR NEAR MCCREARY - STATION NO. 05LJ803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	708.858A	708.892	708.837	708.828	708.818	708.837	708.858	---	1
2	---	---	---	---	708.848	708.888	708.846	708.822	708.825	708.837	708.858	---	2
3	---	---	---	---	708.846	708.888	708.843	708.803	708.815	708.837	708.858	---	3
4	---	---	---	---	708.846	708.883	708.837	708.784	708.784	708.840	708.855	---	4
5	---	---	---	---	708.846	708.878	708.840	708.784	708.773	708.852	708.852A	---	5
6	---	---	---	---	708.843	708.873	708.840	708.822	708.788	708.852	---	---	6
7	---	---	---	---	708.843	708.867	708.840	708.822	708.739	708.848	---	---	7
8	---	---	---	---	708.843	708.864	708.831	708.808	708.731	708.848	---	---	8
9	---	---	---	---	708.843	708.851	708.812	708.788	708.708	708.846	---	---	9
10	---	---	---	---	708.846	708.851	708.834	708.782	708.700	708.846	---	---	10
11	---	---	---	---	708.848	708.884	708.837	708.812	708.703	708.848	---	---	11
12	---	---	---	---	708.846	708.851	708.837	708.828	708.718	708.852	---	---	12
13	---	---	---	712.898A	708.848	708.853	708.834	708.818	708.745	708.867	---	---	13
14	---	---	---	712.588	708.848	708.828	708.837	708.828	708.738	708.861	---	---	14
15	---	---	---	712.581	708.848	708.791	708.843	708.840	708.708	708.855	---	---	15
16	---	---	---	712.518	708.848	708.703	708.840	708.840	708.681	708.852	---	---	16
17	---	---	---	712.488	708.848	708.837	708.834	708.843	708.748	708.852	---	---	17
18	---	---	---	712.372	708.852	708.858	708.834	708.843	708.834	708.852	---	---	18
19	---	---	---	712.278	708.852	708.848	708.873	708.840	708.837	708.848	---	---	19
20	---	---	---	712.162	708.855	708.840	708.873	708.837	708.837	708.848	---	---	20
21	---	---	---	712.037	708.855	708.843	708.855	708.834	708.834	708.849	---	---	21
22	---	---	---	711.900	708.858	708.837	708.849	708.831	708.834	708.848	---	---	22
23	---	---	---	711.739	708.858	708.840	708.843	708.828	708.834	708.848	---	---	23
24	---	---	---	711.518A	708.861	708.843	708.840	708.828	708.834	708.849	---	---	24
25	---	---	---	---	708.861	708.840	708.837	708.818	708.834	708.852	---	---	25
26	---	---	---	---	708.864	708.840	708.834	708.787	708.837	708.873	---	---	26
27	---	---	---	---	708.867	708.837	708.828	708.828	708.837	708.876	---	---	27
28	---	---	---	---	708.853	708.840	708.818	708.831	708.837	708.867	---	---	28
29	---		---	---	708.840	708.834	708.800	708.825	708.834	708.867	---	---	29
30	---		---	---	708.236	708.834	708.782	708.828	708.837	708.864	---	---	30
31	---		---		708.858		708.797	708.822		708.861		---	31
MEAN	---	---	---	---	708.803	708.846	708.836	708.821	708.785	708.853	---	---	MEAN
MAX	---	---	---	---	708.840	708.892	708.873	708.843	708.837	708.876	---	---	MAX
MIN	---	---	---	---	708.843	708.703	708.782	708.782	708.681	708.837	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 15 N
LONG 99 40 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1981

DRAINAGE AREA,
2.59 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO 05EB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.65	5.50	4.44	4.38	14.6	13.6	13.0	10.0	7.28	6.38	5.80	5.24	1
2	5.82	5.45	4.42	4.34	14.7	13.6	13.0	9.81	7.30	6.31	5.84	5.17	2
3	5.74	5.47	4.34	4.29	14.7	14.1	12.9	10.0	7.22	6.41	5.84	5.15	3
4	5.75	5.41	4.40	4.32	14.5	15.2	13.0	9.80	7.43	6.25	5.85	5.11	4
5	5.80	5.38	4.40	4.34	14.1	15.6	12.7	9.53	7.43	6.19	5.83	5.08	5
6	5.67	5.38	4.38	4.17	13.8	15.6	12.5	9.37	7.47	6.11	5.80	5.11	6
7	5.62	5.28	4.42	4.20	13.8	15.5	12.5	9.08	7.73	6.18	5.67	5.03	7
8	5.58	5.21	4.37	4.18	13.8	15.4	12.6	9.05	7.72	6.03	5.46	5.11	8
9	5.54	5.17	4.33	4.17	13.2	14.9	12.5	8.80	7.75	6.18	5.28	5.14	9
10	5.47	5.11	4.33	4.33	12.5	14.5	12.4	8.52	7.77	6.05	5.23	5.11	10
11	5.38	5.14	4.31	4.34	12.0	14.5	12.2	8.38	7.73	5.85	5.21	5.10	11
12	5.32	5.08	4.31	4.29	11.3	14.6	12.2	8.40	7.68	5.84	5.17	5.08	12
13	5.50	4.98	4.26	4.36	11.3	15.2	12.1	8.48	7.65	5.85	5.16	5.06	13
14	5.50	4.83	4.23	4.31	11.2	15.3	11.9	8.11	7.70	5.80	5.12	5.02	14
15	5.36	4.83	4.20	4.38	11.2	15.2	11.8	7.49	7.54	5.67	5.13	5.01	15
16	5.28	4.93	4.21	4.48	11.0	14.8	12.3	7.40	7.38	5.63	5.32	4.95	16
17	5.26	4.92	4.19	4.63	10.8	15.5	12.2	7.75	7.38	5.74	5.34	4.91	17
18	5.16	4.87	4.20	4.77	10.8	15.4	12.2	7.83	7.31	5.80	5.33	4.88	18
19	5.11	4.88	4.29	4.82	10.4	15.1	12.1	7.36	7.08	5.74	5.33	4.87	19
20	5.05	4.85	4.38	5.18	10.7	14.9	12.3	7.19	6.84	5.74	5.30	4.90	20
21	5.99	4.83	4.37	5.42	10.9	14.4	12.2	7.14	6.80	5.71	5.33	4.87	21
22	5.88	4.78	4.38	5.83	11.1	14.4	12.1	7.00	6.83	5.70	5.40	4.85	22
23	5.83	4.73	4.38	6.87	11.1	14.8	11.7	6.80	6.85	5.79	5.38	4.81	23
24	5.75	4.87	4.38	7.93	11.2	14.5	11.3	6.72	6.52	5.88	5.31	4.76	24
25	5.70	4.82	4.33	9.15	11.5	14.3	11.2	6.85	6.41	5.82	5.29	4.72	25
26	5.66	4.58	4.47	10.3	11.7	14.1	11.0	6.83	6.28	5.81	5.31	4.67	26
27	5.64	4.50	4.57	11.5	11.6	13.8	10.8	6.68	6.37	5.87	5.28	4.64	27
28	5.58	4.43	4.51	12.5	11.6	13.7	10.9	6.32	6.33	5.82	5.29	4.62	28
29	5.58		4.42	13.5	12.0	13.5	10.4	7.04	6.18	5.73	5.28	4.61	29
30	5.58		4.43	14.2	11.9	13.2	10.3	7.25	5.95	5.76	5.30	4.61	30
31	5.56		4.40		11.8		10.3	7.13		5.88		4.57	31
TOTAL	163.49	139.84	136.02	185.18	376.7	436.3	370.6	248.17	213.71	183.21	162.20	152.74	TOTAL
MEAN	5.21	5.00	4.38	6.17	12.2	14.6	12.0	8.01	7.12	5.81	5.41	4.93	MEAN
MAX	5.85	5.50	4.57	14.2	14.7	15.6	13.0	10.0	7.77	6.41	5.85	5.24	MAX
MIN	5.56	4.43	4.19	4.17	10.4	12.6	10.3	6.32	5.95	5.62	5.12	4.57	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.67
MAXIMUM DAILY, 15.6 ON JUN 5
MINIMUM DAILY, 4.17 ON APR 6
MAXIMUM INSTANTANEOUS,
15.9 AT 14.37 CST ON JUN 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 45 50 N
LONG 99 58 25 W
DRAINAGE AREA, 1 770 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 600	JUL	32 000
FEB	12 100	AUG	21 400
MAR	11 700	SEP	16 500
APR	16 000	OCT	15 800
MAY	32 500	NOV	14 000
JUN	37 900	DEC	13 200

TOTAL DISCHARGE, 242 000 dam³

BEAVER CREEK EAST OF BEAVER - STATION NO 05LL028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	1.11 B	0.080	0.001	0	0.078	0.049	0.001	---	---	1
2	---	---	0.8	0.8068	0.011	0.001	0	0.011	0.040	0.001	---	---	2
3	---	---	0.8	1.84 B	0.012	0.001	0	0.022	0.028	0	---	---	3
4	---	---	0.8	3.48 B	0.017	0	0	0.014	0.016	0.001	---	---	4
5	---	---	0.8	4.08 B	0.018	0	0	0.008	0.011	0.002	---	---	5
6	---	---	0.8	5.24 B	0.017	0	0	0.003	0.008	0.002	---	---	6
7	---	---	0.8	4.69 B	0.018	0	0	0.001	0.006	0.002	---	---	7
8	---	---	0.8	3.37	0.190	0	0	0	0.005	0.002	---	---	8
9	---	---	0.8	2.47	0.108	0	0	0	0.004	0.002	---	---	9
10	---	---	0.8	1.71	0.038	0	0	0	0.003	0.002	---	---	10
11	---	---	0.8	1.16	0.018	0	0.028	0.002	0.004	0.002	---	---	11
12	---	---	0.8	0.883	0.013	0	0.004	0.002	0.004	0.003	---	---	12
13	---	---	0.8	0.730	0.009	0	0.001	0.002	0.003	0.004	---	---	13
14	---	---	0.8	0.534	0.009	0	0	0.789	0.003	0.004	---	---	14
15	---	---	0.8	0.508	0.006	0	0	5.06	0.010	0.004	---	---	15
16	---	---	0.8	0.394	0.006	0	0	2.78	0.008	0.004	---	---	16
17	---	---	0.8	0.260	0.006	0	0	1.15	0.005	0.003	---	---	17
18	---	---	0.8	0.162	0.004	0	0	1.55	0.004	0.003	---	---	18
19	---	---	0.8	0.114	0.003	0	0.007	1.29	0.003	0.003	---	---	19
20	---	---	0.8	0.082	0.003	0	0.006	1.10	0.002	0.004	---	---	20
21	---	---	0.8	0.089	0.004	0	0.003	0.949	0.002	0.007	---	---	21
22	---	---	0.8	0.081	0.004	0	0.003	0.738	0.001	0.007	---	---	22
23	---	---	0.8	0.084	0.003	0	0.007	0.552	0.001	0.006	---	---	23
24	---	---	1.00 B	0.084	0.003	0	0.004	0.343	0.002	0.007	---	---	24
25	---	---	8.18 B	0.056	0.002	0	0.002	0.217	0.002	0.015	---	---	25
26	---	---	6.84 B	0.047	0.002	0	0.001	0.168	0.001	0.017	---	---	26
27	---	---	5.99 B	0.036	0.002	0	0	0.153	0.001	0.015	---	---	27
28	---	---	3.68 B	0.033	0.003	0	0	0.143	0.002	0.013	---	---	28
29	---		2.21 B	0.017	0.003	0	0	0.103	0.002	0.010	---	---	29
30	---		1.75 B	0.048	0.002	0	0.003	0.088	0.002	0.010	---	---	30
31	---		1.21 B		0.001		0.273	0.083		0.010		---	31
TOTAL	---	---	28.27	39.795	0.594	0.003	0.339	17.313	0.230	0.187	---	---	TOTAL
MEAN	---	---	0.912	1.33	0.019	0	0.011	0.556	0.008	0.005	---	---	MEAN
MAX	---	---	8.84	8.09	0.190	0.001	0.273	5.06	0.049	0.017	---	---	MAX
MIN	---	---	0	0.017	0.001	0	0	0	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.354
MAXIMUM DAILY, 8.09B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.0B AT 13.20 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 00 N
LONG 98 37 40 W
DRAINAGE AREA 274 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	29 3
FEB	---	AUG	1 500
MAR	2 440	SEP	19 9
APR	3 440	OCT	14 4
MAY	51 3	NOV	---
JUN	0 25	DEC	---

TOTAL DISCHARGE, 7 500 dam³

BEAVER LAKE NEAR PINE RIVER - STATION NO 05LC001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	700.878	700.894	700.888	700.854	700.487	700.757	---	1
2	---	---	---	---	---	700.875	700.903	700.882	700.854	700.437	701.022	---	2
3	---	---	---	---	---	700.872	700.900	700.875	700.854	700.403	701.038A	---	3
4	---	---	---	---	---	700.889	700.900	700.889	700.845	700.384	---	---	4
5	---	---	---	---	---	700.889	700.918	700.889	700.830	700.403	---	---	5
6	---	---	---	---	700.845A	700.872	700.933	700.875	700.827	700.381	---	---	6
7	---	---	---	---	---	700.878	700.970	700.872	700.831	700.382	---	---	7
8	---	---	---	---	---	700.878	700.949	700.889	700.821	700.381	---	---	8
9	---	---	---	---	---	700.878	700.921	700.888	700.808	700.400	---	---	9
10	---	---	---	---	---	700.875	700.909	700.889	700.793	700.381	---	---	10
11	---	---	700.714A	---	---	700.881	700.903	700.872	700.787	700.400	---	---	11
12	---	---	---	---	---	700.878	700.903	700.872	700.781	700.418	---	---	12
13	---	---	---	---	700.845A	700.878	700.906	700.888	700.775	700.482	---	---	13
14	---	---	---	---	700.845	700.889	700.903	700.883	700.772	700.473	---	---	14
15	---	---	---	700.788A	700.845	700.889	700.903	700.883	700.754	700.494	---	---	15
16	---	---	---	---	700.845	700.872	700.906	700.883	700.720	700.515	---	---	16
17	---	---	---	---	700.845	700.903	700.906	700.883	700.728	700.534	---	---	17
18	---	---	---	---	700.842	700.900	700.897	700.869	700.744	700.549	---	---	18
19	---	---	---	---	700.845	700.900	700.909	700.872	700.747	700.581	---	---	19
20	---	---	---	---	700.845	700.900	700.906	700.872	700.750	700.574	---	---	20
21	---	---	---	---	700.845	700.900	700.897	700.872	700.750	700.569	---	---	21
22	---	---	---	---	700.842	700.897	700.897	700.872	700.750	700.807	---	---	22
23	---	---	---	---	700.842	700.900	700.903	700.869	700.747	700.822	---	---	23
24	---	---	---	---	700.842	700.894	700.912	700.888	700.747	700.838	---	---	24
25	---	---	---	---	700.842	700.888	700.909	700.889	700.750	700.847	---	---	25
26	---	---	---	---	700.842	700.888	700.903	700.888	700.750	700.888	---	---	26
27	---	---	---	700.845A	700.845	700.888	700.900	700.886	700.750	700.880	---	---	27
28	---	---	---	---	700.880	700.888	700.897	700.888	700.720	700.892	---	---	28
29	---		---	---	700.888	700.886	700.891	700.883	700.828	700.705	---	---	29
30	---		---	---	700.888	700.882	700.886	700.880	700.834	700.714	---	---	30
31	---		---		700.888		700.886	700.857		700.728		---	31
MEAN	---	---	---	---	---	700.883	700.907	700.889	700.788	700.526	---	---	MEAN
MAX	---	---	---	---	---	700.903	700.970	700.888	700.854	700.726	---	---	MAX
MIN	---	---	---	---	---	700.888	700.886	700.857	700.834	700.382	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 700.382 ON OCT 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 02 N
LONG 100 50 09 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1985

DRAINAGE AREA
8 83 km²

BELL LAKE NEAR OUTLET - STATION NO 05LF001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	880.890	---	---	880.419	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	880.518	---	---	---	---	5
6	---	---	---	---	880.887	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	880.408	---	---	7
8	---	---	---	---	---	---	880.515	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	880.771	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	880.486	880.393	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	880.801	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	880.788	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	880.488	---	---	15
16	---	---	---	---	---	---	---	---	880.375	---	---	---	16
17	---	---	---	---	---	880.518	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	880.884	---	---	880.432	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	880.847	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	880.423	---	---	---	24
25	---	---	---	---	---	880.432	---	---	---	---	---	---	25
26	---	880.304	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	880.820	880.780	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	880.435	---	---	---	---	29
30	---		---	---	---	---	880.859	---	---	---	---	---	30
31	---		---		---	880.393	---	---	880.399	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 33 30 N
LONG 101 13 40 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REGULATED SINCE 1955

DRAINAGE AREA
59 1 km²

BELL RIVER NEAR BELLSITE - STATION NO 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 338	0 503	1 49	2 80	1 42	1 42	0 805	0 376	---	---	1
2	---	---	0 348	0 317	1 44	3 04	3 21	1 37	0 737	0 348	---	---	2
3	---	---	0 341	0 387	1 40	3 63	3 02	1 30	0 697	0 376	---	---	3
4	---	---	0 340	0 618	1 35	3 62	2 88	1 28	0 658	0 423	---	---	4
5	---	---	0 414	1 15 B	1 32	3 38	3 84	1 26	0 681	1 01	---	---	5
6	---	---	0 474	0 911	1 27	3 29	5 37	1 37	0 641	0 981	---	---	6
7	---	---	0 358	2 23	1 22	3 12	5 98	1 37	0 595	0 874	---	---	7
8	---	---	0 105	3 03 B	1 20	2 88	4 25	1 25	0 572	1 05	---	---	8
9	---	---	0 409	2 93 B	1 15	2 83	3 25	1 17	0 561	1 08	---	---	9
10	---	---	0 524	2 70 B	1 12	2 61	2 75	1 19	0 616	1 12	---	---	10
11	---	---	0 421	2 80 B	1 11	2 56	2 48	1 28	0 684	0 950	---	---	11
12	---	---	0 387	2 23 B	1 12	2 48	2 37	1 22	0 633	1 05	---	---	12
13	---	---	0 424	2 11	1 12	2 40	2 33	1 12	0 601	1 33	---	---	13
14	---	---	0 478	1 98	1 15	2 25	2 60	1 03	0 542	1 52	---	---	14
15	---	---	0 485	2 44	1 15	2 15	2 40	1 29	0 508	1 40	---	---	15
16	---	---	0 526	3 30	1 12	2 21	2 28	1 87	0 461	1 38	---	---	16
17	---	---	0 606	3 30	1 10	3 85	2 41	1 46	0 805	1 39	---	---	17
18	---	---	0 574	2 78	1 07	3 48	2 22	1 48	1 15	1 38	---	---	18
19	---	---	0 588	2 85	1 06	2 91	2 32	1 34	1 08	1 24	---	---	19
20	---	---	0 527	2 94	1 04	2 52	2 23	1 44	0 970	1 15	---	---	20
21	---	---	0 7348	2 74	1 02	2 28	2 04	1 77	0 913	1 06	---	---	21
22	---	---	0 8708	2 31	0 988	2 13	1 93	1 82	0 868	1 00	---	---	22
23	---	---	0 7418	1 73	0 993	2 10	2 10	1 62	0 776	0 988	---	---	23
24	---	---	0 646	1 54	1 00	1 88	1 80	1 42	0 731	1 21	---	---	24
25	---	---	0 542	1 82	0 987	1 01	1 88	1 32	0 689	1 35	---	---	25
26	---	---	0 483	1 77	0 938	0 845	1 78	1 25	0 638	1 44	---	---	26
27	---	---	0 303	1 62	0 967	0 780	1 84	1 16	0 589	1 37	---	---	27
28	---	---	0 758	1 58	2 76	0 671	1 48	1 08	0 557	1 32	---	---	28
29	---	---	0 458	1 58	4 74	0 578	1 61	1 02	0 493	1 28	---	---	29
30	---	---	0 388	1 83	3 86	0 526	1 48	0 978	0 425	1 27	---	---	30
31	---	---	0 387		2 89		1 32	0 883		1 31	---	---	31
TOTAL	---	---	14 889	59 886	45 281	70.788	78 85	40 802	20 873	34 038	---	---	TOTAL
MEAN	---	---	0 480	1 99	1 46	2 36	2 54	1 31	0 889	1 10	---	---	MEAN
MAX	---	---	0 870	3 30	4 74	3 86	5 98	1 82	1 15	1 52	---	---	MAX
MIN	---	---	0 105	0 317	0 939	0.526	1 32	0 883	0 425	0 348	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1 48
MAXIMUM DAILY 5 98 ON JUL 7
MINIMUM DAILY 0 105 ON MAR 8
MAXIMUM INSTANTANEOUS
7 33 AT 22 57 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 35 10 N
LONG 101 02 15 W
DRAINAGE AREA 170 km²

B - ICE CONDITIONS

REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 800
FEB	---	AUG	3 510
MAR	1 280	SEP	1 790
APR	5 180	OCT	2 940
MAY	3 910	NOV	---
JUN	5 110	DEC	---

TOTAL DISCHARGE 31 500 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26 58	22 18	19 38	14 58	45 1E	76 0E	54 0	32 2	30 1	16 8	12 0	8 868	1
2	26 48	22 18	19 18	14 38	46 8E	75 8E	53 2	31 5	29 8	16 8	11 8	8 508	2
3	26 28	22 18	19 18	13 98	47 9E	75 8E	52 1	31 0	29 2	16 5	11 7	8 318	3
4	26 08	22 08	19 18	14 48	48 5E	75 4E	50 9	30 3	28 8	16 1	11 5	8 288	4
5	27 98	21 98	19 08	15 08	49 0E	75 1E	50 2	29 8	28 4	15 9	11 5	8 268	5
6	27 78	21 88	19 08	15 58	50 1E	75 3E	49 8	30 4	27 7	15 8	11 5	8 218	6
7	27 58	21 78	18 88	15 78	51 2E	75 3E	48 6	30 4	26 9	15 4	11 5	8 178	7
8	27 38	21 88	18 58	15 98	52 4E	75 1E	48 0	29 8	26 5	15 1	11 5	8 138	8
9	27 08	21 58	18 58	20 2E	53 7E	74 9E	48 9	29 2	25 9	14 8	11 4	8 108	9
10	26 98	21 38	18 48	20 4E	54 8E	74 7A	48 2	28 8	25 5	14 6	11 3	8 078	10
11	26 78	21 18	18 18	21 1E	55 7E	75 7	45 4	28 8	25 2	14 3	11 2	8 038	11
12	26 48	20 88	17 98	22 3E	57 2E	76 0	44 5	28 8	24 8	14 0	11 0	7 988	12
13	26 18	20 48	17 88	23 7E	58 7E	76 5	43 7	28 0	24 1	13 4	10 8	7 948	13
14	26 08	20 78	17 88	25 1E	59 8E	75 2	42 8	28 3	23 3	12 9	10 8	7 738	14
15	25 98	20 68	17 88	26 0E	60 5E	74 4	42 0	28 3	22 7	13 0	10 8	7 708	15
16	25 78	20 68	17 58	26 6E	61 6E	73 3	41 5	28 5	22 1	13 0	10 8	7 698	16
17	25 58	20 48	17 48	27 9E	62 5E	71 0	40 6	28 2	21 8	13 0	10 8	7 678	17
18	25 28	20 38	17 38	28 2E	63 4E	70 3	39 8	28 5	21 2	13 0	10 8	7 658	18
19	24 88	20 18	17 18	30 4E	65 0E	68 7	38 7	28 8	20 8	13 0	10 5	7 648	19
20	24 78	19 98	16 98	31 8E	66 2E	67 5	38 8	30 3	20 5	13 0	10 3 B	7 628	20
21	24 48	19 48	16 78	32 6E	67 2E	65 9	38 4	31 3	20 2	13 0	10 2 B	7 588	21
22	24 28	19 68	16 48	34 0E	68 4E	65 1	36 8	31 6	19 8	13 0	10 2 B	7 528	22
23	24 08	19 58	16 38	35 2E	69 3E	63 7	37 8	31 8	19 4	13 0	9 848	7 518	23
24	23 78	19 58	16 08	36 4E	70 9E	63 8	37 4	32 1	18 9	12 9	9 598	7 388	24
25	23 58	19 38	16 08	37 3E	72 0E	61 4	36 4	32 3	18 7	12 7	9 508	7 298	25
26	23 38	19 48	15 88	39 0E	73 8E	61 1	35 8	32 3	18 4	12 7	9 488	7 218	26
27	23 08	19 48	15 78	40 2E	74 7E	59 4	35 4	32 2	18 0	12 7	9 458	7 198	27
28	22 78	19 38	15 48	41 0E	75 3E	58 1	34 8	31 8	17 7	12 7	9 448	7 188	28
29	22 48		15 38	42 5E	76 3E	56 3	34 2	31 1	17 3	12 4	9 428	7 138	29
30	22 48		15 08	43 4E	76 2E	55 0	33 8	30 4	17 0	12 1	9 388	7 108	30
31	22 38		14 88		75 9E		32 9	30 7		12 1		7 088	31
TOTAL	780 3	579 2	537 2	805 8	1 910 3	2 090 3	1 315 5	942 8	690 3	428 7	320 07	240 51	TOTAL
MEAN	25 5	20 7	17 3	26 9	61 6	69 7	42 4	30 4	23 0	13 9	10 7	7 76	MEAN
MAX	26 5	22 1	19 2	43 4	76 5	76 5	54 0	32 3	30 1	16 8	12 0	8 86	MAX
MIN	22 3	19 3	14 8	13 9	45 1	55 0	32 9	28 0	17 0	12 1	9 36	7 08	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 29 2
MAXIMUM DAILY 76 5E ON MAY 29
MINIMUM DAILY 7 088 ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 99 05 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	88 300	JUL	114 000
FEB	50 000	AUG	81 400
MAR	46 400	SEP	59 800
APR	89 600	OCT	37 100
MAY	185 000	NOV	27 700
JUN	181 000	DEC	20 800

TOTAL DISCHARGE 921 000 dam³

BIG GRASS RIVER NEAR GLENELLA - STATION NO. 05LL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0188	1.148	1.07	0.670	0	0.027	0	0	---	---	1
2	---	---	0.0188	1.148	1.00	0.457	0	0.022	0	0	---	---	2
3	---	---	0.0188	2.289	0.918	0.338	0	0.020	0	0	---	---	3
4	---	---	0.0188	8.788	0.884	0.268	0	0.023	0	0	---	---	4
5	---	---	0.0188	16.2 E	0.782	0.299	0	0.089	0	0	---	---	5
6	---	---	0.0188	23.9 E	0.724	0.175	0	0.076	0	0	---	---	6
7	---	---	0.0188	28.5	0.635	0.137	0	0.031	0	0	---	---	7
8	---	---	0.0188	28.9	0.584	0.148	0	0.023	0	0	---	---	8
9	---	---	0.0188	25.9	0.508	0.189	0	0.018	0	0	---	---	9
10	---	---	0.0188	22.6	0.494	0.183	0	0.013	0	0	---	---	10
11	---	---	0.0188	18.3	0.425	0.132	0	0.012	0	0	---	---	11
12	---	---	0.0188	15.4	0.406	0.126	0	0.008	0	0	---	---	12
13	---	---	0.0188	12.5	0.410	0.183	0	0.002	0	0	---	---	13
14	---	---	0.0188	9.89	0.415	0.188	0	0.007	0	0	---	---	14
15	---	---	0.0188	8.34	0.466	0.185	0	0.022	0	0	---	---	15
16	---	---	0.0188	7.83	0.482	0.123	0	0.015	0	0	---	---	16
17	---	---	0.0248	6.90	0.487	0.112	0	0.004	0	0	---	---	17
18	---	---	0.0288	5.80	0.455	0.072	0	0.001	0	0	---	---	18
19	---	---	0.0388	4.98	0.456	0.087	0	0	0	0	---	---	19
20	---	---	0.0479	4.47	0.482	0.098	0.007	0	0	0	---	---	20
21	---	---	0.0858	3.80	0.465	0.043	0.033	0	0	0	---	---	21
22	---	---	0.0888	3.11	0.456	0.031	0.121	0	0	0	---	---	22
23	---	---	0.1068	2.87	0.414	0.027	0.183	0	0	0	---	---	23
24	---	---	0.1868	2.30	0.409	0.019	0.158	0	0	0	---	---	24
25	---	---	0.3448	2.07	0.386	0.006	0.141	0	0	0	---	---	25
26	---	---	0.8528	1.82	0.370	0	0.102	0	0	0	---	---	26
27	---	---	1.07 E	1.73	0.338	0	0.083	0	0	0	---	---	27
28	---	---	0.7448	1.67	0.387	0	0.066	0	0	0	---	---	28
29	---	---	0.8738	1.24	0.423	0	0.035	0	0	0	---	---	29
30	---	---	1.00 E	1.12	1.22	0	0.028	0	0	0	---	---	30
31	---		1.30 E		1.07		0.028	0		0		---	31
TOTAL	---	---	7.388	278.16	17.926	4.130	0.971	0.383	0	0	---	---	TOTAL
MEAN	---	---	0.237	9.21	0.578	0.138	0.031	0.012	0	0	---	---	MEAN
MAX	---	---	1.80	28.9	1.22	0.670	0.183	0.076	0	0	---	---	MAX
MIN	---	---	0.018	1.12	0.338	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 28.9 ON APR 8
MINIMUM DAILY, 0 ON JUN 28
MAXIMUM INSTANTANEOUS,
28.7 AT 00:00 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 22 N
LONG 96 56 15 W
DRAINAGE AREA, 1 050 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.9
FEB	---	AUG	33.1
MAR	836	SEP	0
APR	23 900	OCT	0
MAY	1 550	NOV	---
JUN	357	DEC	---

TOTAL DISCHARGE, 26 800 dam³

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. 05KH003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	259.895	259.959	259.780	259.891	259.810	259.822	259.885	259.903	---	---	1
2	---	---	259.893	259.966	259.745	259.913	259.837	259.816	259.878	259.883	---	---	2
3	---	---	259.891	259.975	259.751	259.878	259.838	259.804	259.892	259.884	---	---	3
4	---	---	259.895	259.983	259.776	259.887	259.826	259.808	259.903	259.905	---	---	4
5	---	---	259.899	259.993	259.833	259.883	259.820	259.811	259.892	259.916	---	---	5
6	---	---	259.898	259.988	259.826	259.868	259.820	259.832	259.906	259.908	---	---	6
7	---	---	259.890	260.002	259.816	259.876	259.836	259.837	259.913	259.886	---	---	7
8	---	---	259.876	260.007	259.847	259.884	259.844	259.838	259.914	259.876	---	---	8
9	---	---	259.873	260.003	259.814	259.878	259.837	259.831	259.909	259.911	---	---	9
10	---	---	259.876	259.998	259.806	259.880	259.826	259.819	259.906	259.912	---	---	10
11	---	---	259.876	259.988	259.820	259.882	259.831	259.835	259.910	259.909	---	---	11
12	---	---	259.878	260.003	259.812	259.872	259.838	259.885	259.906	259.912	---	---	12
13	---	---	259.881	260.006	259.838	259.888	259.828	259.871	259.901	259.971	---	---	13
14	---	---	259.883	260.006	259.818	259.883	259.833	259.865	259.904	259.928	---	---	14
15	---	---	259.889	260.009	259.831	259.881	259.818	259.868	259.900	259.905	---	---	15
16	---	---	259.894	260.008	259.834	259.835	259.818	259.878	259.902	259.914	---	---	16
17	---	---	259.893	260.007	259.831	259.878	259.813	259.883	259.905	259.928	---	---	17
18	---	---	259.895	260.003	259.821	259.883	259.807	259.886	259.903	259.942	---	---	18
19	---	---	259.899	260.001	259.823	259.876	259.803	259.887	259.908	259.931	---	---	19
20	---	---	259.900	260.007	259.848	259.882	259.809	259.887	259.908	259.917	---	---	20
21	---	---	259.923	259.971	259.835	259.847	259.806	259.892	259.907	259.907	---	---	21
22	---	---	259.938	259.938	259.832	259.857	259.806	259.891	259.915	259.918	---	---	22
23	---	---	259.948	259.918	259.839	259.856	259.804	259.890	259.910	259.908	---	---	23
24	---	---	259.948	259.848	259.840	259.858	259.801	259.894	259.908	259.911	---	---	24
25	---	---	259.952	259.823	259.838	259.857	259.814	259.894	259.906	259.924	---	---	25
26	---	---	259.957	259.835	259.838	259.848	259.818	259.896	259.887	259.944	---	---	26
27	---	---	259.951	259.807	259.830	259.844	259.821	259.894	259.885	259.923	---	---	27
28	---	---	259.947	259.808	259.818	259.842	259.823	259.894	259.902	259.918	---	---	28
29	---	---	259.945	259.784	259.880	259.838	259.821	259.903	259.900	259.918A	---	---	29
30	---	---	259.952	259.774	259.844	259.823	259.815	259.900	259.882	259.918E	---	---	30
31	---		259.956		259.856		259.815	259.896		259.918E		---	31
MEAN	---	---	259.909	259.948	259.822	259.867	259.820	259.884	259.903	259.915	---	---	MEAN
MAX	---	---	259.957	260.009	259.880	259.913	259.844	259.903	259.915	259.971	---	---	MAX
MIN	---	---	259.873	259.774	259.745	259.823	259.801	259.804	259.878	259.876	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.009 ON APR 15

MAXIMUM INSTANTANEOUS,
260.031 AT 17:09 CST ON OCT 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA
2 380 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS - STATION NO. 05KH004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	258.898	258.876	258.595	257.443	256.837	---	257.034	256.742	---	---	1
2	---	---	258.902	258.850	258.585	257.304	256.874	---	257.048	256.722	---	---	2
3	---	---	258.875	258.848	258.513	257.280	256.892	---	257.025	256.711	---	---	3
4	---	---	258.854	258.885	258.402	257.289	256.869	---	257.034	256.726	---	---	4
5	---	---	258.857	258.904	258.271	257.308	256.901	---	257.094	256.798	---	---	5
6	---	---	258.878	258.914	258.200	257.353	256.914	---	257.120	256.803	---	---	6
7	---	---	258.896	258.961	258.142	257.423	256.911	---	257.040	256.892	---	---	7
8	---	---	258.902	259.045	258.105	257.493	256.911	---	256.941	257.027	---	---	8
9	---	---	258.901	259.174	258.078	257.459	256.918	---	256.909	257.204	---	---	9
10	---	---	258.901	259.349	258.056	257.404	256.936	---	256.925	257.195	---	---	10
11	---	---	258.89	258 494	258.005	257.385	256.991	---	256.985	257.108	---	---	11
12	---	---	258.917	258.595	257.926	257.397	257.006	---	257.092	257.084	---	---	12
13	---	---	258.962	258.888	257.840	257.478	256.998	---	257.175	256.992	---	---	13
14	---	---	258.894	258.786	257.809	257.491	256.976	257.051A	257.174	256.817	---	---	14
15	---	---	258.917	258.696	257.825	257.475	256.980	257.073	257.112	256.814	---	---	15
16	---	---	259.020	258.877	257.843	257.402	256.983A	257.120	257.085	256.922	---	---	16
17	---	---	258.984	258.813	257.893	257.367	---	257.108	257.057	257.011	---	---	17
18	---	---	258.997	259.215	257.887	257.357	---	257.080	257.086	257.036	---	---	18
19	---	---	259.018	259.044	257.813	257.283	---	257.070	257.086	257.018	---	---	19
20	---	---	259.038	258.939	257.717	257.183	---	257.111	257.127	256.997	---	---	20
21	---	---	259.055	258.893	257.717	257.155	---	257.131	257.184	256.989	---	---	21
22	---	---	259.054	258.868	257.724	257.101	---	257.157	257.148	256.951	---	---	22
23	---	---	259.020	258.851	257.727	257.018	---	257.201	257.130	256.908	---	---	23
24	---	---	258.988	258.884	257.894	256.926	---	257.190	257.152	256.908	---	---	24
25	---	---	258.943	258.874	257.584	256.870	---	257.133	257.083	256.889	---	---	25
26	---	---	258.948	258.850	257.454	256.848	---	257.101	256.987	256.923	---	---	26
27	---	---	258.948	258.778	257.388	256.858	---	257.078	256.950	256.950	---	---	27
28	---	---	258.920	258.888	257.312	256.864	---	257.077	256.914	256.893	---	---	28
29	---		258.898	258.826	257.360	256.888	---	257.088	256.842	257.012A	---	---	29
30	---		258.916	258.822	257.384	256.844	---	257.077	256.788	256.962E	---	---	30
31	---		258.908		257.484		---	257.081		256.962E		---	31
MEAN	---	---	258.948	259.088	257.880	257.228	---	---	257.043	256.938	---	---	MEAN
MAX	---	---	259.055	259.377	258.595	257.493	---	---	257.175	257.204	---	---	MAX
MIN	---	---	258.854	258.822	257.312	256.844	---	---	256.788	256.711	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 259.377 ON APR 16

MAXIMUM INSTANTANEOUS,
260.152 AT 11:30 CST ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

DRAINAGE AREA,
2 380 km²

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 05LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2018	0.2188	1.59	1.75	0.798	0.789	0.582	0.594	---	---	1
2	---	---	0.2018	0.2208	1.46	1.67	1.45	0.852	0.566	0.604	---	---	2
3	---	---	0.2018	0.2338	1.33	1.65	1.70	0.594	0.548	0.804	---	---	3
4	---	---	0.2078	0.5358	1.25	1.65	1.80	0.588	0.531	0.825	---	---	4
5	---	---	0.2488	1.03 B	1.17	1.87	2.01	0.578	0.517	0.710	---	---	5
6	---	---	0.2208	1.88 B	1.08	1.48	2.87	0.813	0.514	0.727	---	---	6
7	---	---	0.2038	2.54 B	1.03	1.38	3.66	0.591	0.514	0.766	---	---	7
8	---	---	0.2038	4.89 A	0.974	1.27	3.75	0.593	0.514	0.805	---	---	8
9	---	---	0.2038	8.36 A	0.906	1.16	3.19	0.598	0.541	0.973	---	---	9
10	---	---	0.2038	8.44	0.881	1.05	2.73	0.828	0.548	0.971	---	---	10
11	---	---	0.2038	7.48	0.820	1.04	2.37	0.783	0.548	0.885	---	---	11
12	---	---	0.2038	6.78	0.787	0.880	2.08	0.762	0.541	1.02	---	---	12
13	---	---	0.2038	6.90	0.786	0.880	2.02	0.770	0.514	1.16	---	---	13
14	---	---	0.2058	6.54	0.842	0.737	2.27	0.737	0.504	1.32	---	---	14
15	---	---	0.2058	6.89	0.812	0.882	2.21	0.815	0.557	1.33	---	---	15
16	---	---	0.2088	5.25	0.738	0.808	2.20	0.885	0.584	1.35	---	---	16
17	---	---	0.2388	5.06	0.717	0.713	2.72	0.885	0.723	1.39	---	---	17
18	---	---	0.2288	4.74	0.878	0.883	2.48	0.842	0.796	1.44	---	---	18
19	---	---	0.2238	4.33	0.854	0.632	2.40	0.832	0.813	1.41	---	---	19
20	---	---	0.2208	3.96	0.841	0.590	2.50	0.940	0.803	1.33	---	---	20
21	---	---	0.2488	3.53	0.806	0.580	2.21	1.02	0.792	1.28	---	---	21
22	---	---	0.2678	3.14	0.582	0.548	1.82	1.05	0.762	1.25	---	---	22
23	---	---	0.2438	2.77	0.586	0.589	1.82	0.985	0.730	1.21	---	---	23
24	---	---	0.2058	2.60	0.619	0.583	1.66	0.890	0.711	1.17	---	---	24
25	---	---	0.2058	2.58	0.638	0.557	1.67	0.842	0.703	1.21	---	---	25
26	---	---	0.2058	2.40	0.593	0.535	1.48	0.794	0.858	1.27	---	---	26
27	---	---	0.2078	2.18	0.580	0.522	1.27	0.780	0.637	1.30	---	---	27
28	---	---	0.2098	2.02	1.12	0.531	1.09	0.698	0.632	1.28	---	---	28
29	---		0.2118	1.87	1.97	0.507	0.938	0.684	0.591	1.27	---	---	29
30	---		0.2128	1.71	1.88	0.503	0.850	0.833	0.581	1.28	---	---	30
31	---		0.2148		1.63		0.809	0.899		1.21		---	31
TOTAL	---	---	6.849	104.104	28.909	28.239	62.927	23.329	18.585	33.924	---	---	TOTAL
MEAN	---	---	0.214	3.47	0.985	0.961	2.03	0.753	0.619	1.09	---	---	MEAN
MAX	---	---	0.267	8.86	1.97	1.87	3.86	1.05	0.813	1.44	---	---	MAX
MIN	---	---	0.201	0.218	0.638	0.503	0.798	0.588	0.504	0.594	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 8.86A ON APR 9
MINIMUM DAILY, 0.2018 ON MAR 1
MAXIMUM INSTANTANEOUS,
10.8 AT 20 00 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 25 N
LONG 101 05 00 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 440
FEB	---	AUG	2 020
MAR	574	SEP	1 600
APR	8 930	OCT	2 930
MAY	2 580	NOV	---
JUN	2 440	DEC	---

TOTAL DISCHARGE, 26 600 dam³

BIRD RIVER AT OUTLET OF BIRD LAKE - STATION NO. 05PJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.91E	4.58	10.2	5.34	---	---	---	---	---	---	1
2	---	---	2.79A	4.71	9.58	5.06	---	---	---	---	---	---	2
3	---	---	2.63	4.81	9.74	5.02	---	---	---	---	---	---	3
4	---	---	2.48	4.91	9.47	4.91	---	---	---	---	---	---	4
5	---	---	2.48	5.07	9.19	4.77	---	---	---	---	---	---	5
6	---	---	2.50	5.26	9.06	4.88	---	---	---	---	---	---	6
7	---	---	2.52	5.47	8.87	4.81	---	---	---	---	---	---	7
8	---	---	2.55	5.60	8.67	4.58	---	---	---	---	---	---	8
9	---	---	2.54	7.58	8.37	4.38	---	---	---	---	---	---	9
10	---	---	2.57	8.52	8.12	4.33	---	---	---	---	---	---	10
11	---	---	2.57	9.38	7.83	4.39	---	---	---	---	---	---	11
12	---	---	2.57	10.1	7.53	4.18	---	---	---	---	---	---	12
13	---	---	2.52	10.6	7.28	4.07	---	---	---	---	---	---	13
14	---	---	2.53	11.1	7.31	3.88	---	---	---	---	---	---	14
15	---	---	2.52	11.4	7.14	3.72	---	---	---	---	---	---	15
16	---	---	2.48	11.5	7.03	3.65	---	---	---	---	---	---	16
17	---	---	2.53	11.6	6.88	3.52	---	---	---	---	---	---	17
18	---	---	2.42	11.5	6.67	3.36	---	---	---	---	---	---	18
19	---	---	2.43	12.0	6.39	3.23	---	---	---	---	---	---	19
20	---	---	2.35	11.9	6.27	3.11	---	---	---	---	---	---	20
21	---	---	2.32	12.0	6.43	3.04	---	---	---	---	---	---	21
22	---	---	2.35	11.9	6.24	2.90	---	---	---	---	---	---	22
23	---	---	2.38	11.8	6.03	2.77	---	---	---	---	---	---	23
24	---	---	2.49	11.7	5.89	2.69	---	---	---	---	---	---	24
25	---	---	2.68	11.6	5.82	2.61	---	---	---	---	---	---	25
26	---	---	2.67	11.3	5.73	2.51	---	---	---	---	---	---	26
27	---	---	3.17	11.2	5.78	2.38	---	---	---	---	---	---	27
28	---	---	3.44	10.8	5.74	2.26	---	---	---	---	---	---	28
29	---		3.88	10.7	5.63	2.17	---	---	---	---	---	---	29
30	---		4.00	10.6	5.57	2.10	---	---	---	---	---	---	30
31	---		4.33		5.49		---	---	---	---	---	---	31
TOTAL	---	---	84.59	283.28	226.14	110.83	---	---	---	---	---	---	TOTAL
MEAN	---	---	2.73	9.44	7.29	3.69	---	---	---	---	---	---	MEAN
MAX	---	---	4.33	12.0	10.2	5.34	---	---	---	---	---	---	MAX
MIN	---	---	2.32	4.58	5.49	2.10	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.78
MAXIMUM DAILY, 12.0 ON APR 19
MINIMUM DAILY, 2.10 ON JUN 30
MAXIMUM INSTANTANEOUS,
12.8 AT 15:00 CST ON APR 19

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 48 N
LONG 95 24 50 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	7 310	SEP	---
APR	24 500	OCT	---
MAY	18 500	NOV	---
JUN	9 550	DEC	---

TOTAL DISCHARGE, 60 900 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO. 05ME003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4348	0.9958	3.22	0.479	0.091	0.092	0.057	0.030	---	---	1
2	---	---	0.4398	0.8308	2.97	0.507	0.087	0.082	0.058	0.033	---	---	2
3	---	---	0.4448	0.9068	2.73	0.524	0.087	0.075	0.058	0.070	---	---	3
4	---	---	0.4548	2.44 B	2.62	0.537	0.077	0.088	0.053	0.102	---	---	4
5	---	---	0.4728	8.61 B	2.43	0.508	0.088	0.074	0.050	0.120	---	---	5
6	---	---	0.4728	14.3 B	2.13	0.498	0.103	0.072	0.043	0.136	---	---	6
7	---	---	0.4818	20.4	1.88	0.425	0.093	0.078	0.037	0.133	---	---	7
8	---	---	0.4818	19.1	1.53	0.381	0.077	0.069	0.028	0.123	---	---	8
9	---	---	0.4908	20.4	1.36	0.335	0.071	0.078	0.024	0.130	---	---	9
10	---	---	0.4908	20.4	1.22	0.318	0.085	0.085	0.020	0.133	---	---	10
11	---	---	0.4908	20.2	1.11	0.301	0.100	0.089	0.021	0.147	---	---	11
12	---	---	0.4998	18.4	0.970	0.288	0.095	0.138	0.019	0.148	---	---	12
13	---	---	0.4998	15.5	0.783	0.242	0.094	0.282	0.018	0.138	---	---	13
14	---	---	0.5088	13.3	0.737	0.223	0.116	0.189	0.015	0.145	---	---	14
15	---	---	0.5088	11.8	0.687	0.197	0.123	0.161	0.013	0.150	---	---	15
16	---	---	0.5088	10.3	0.671	0.178	0.117	0.136	0.013	0.138	---	---	16
17	---	---	0.5088	9.38	0.580	0.169	0.099	0.125	0.042	0.230	---	---	17
18	---	---	0.5178	8.72	0.804	0.155	0.090	0.132	0.048	0.206	---	---	18
19	---	---	0.5178	8.04	0.690	0.147	0.187	0.145	0.045	0.176	---	---	19
20	---	---	0.5808	7.33	0.534	0.127	0.208	0.131	0.040	0.170	---	---	20
21	---	---	0.6898	6.81	0.485	0.121	0.212	0.115	0.036	0.189	---	---	21
22	---	---	0.7558	6.30	0.467	0.134	0.215	0.096	0.033	0.185	---	---	22
23	---	---	0.8308	5.77	0.461	0.157	0.210	0.101	0.031	0.189	---	---	23
24	---	---	0.9028	5.33	0.405	0.134	0.205	0.098	0.031	0.185	---	---	24
25	---	---	0.9738	5.00	0.389	0.122	0.185	0.098	0.027	0.178	---	---	25
26	---	---	1.51 B	4.88	0.389	0.110	0.183	0.086	0.025	0.206	---	---	26
27	---	---	1.31 B	4.44	0.380	0.104	0.165	0.077	0.024	0.219	---	---	27
28	---	---	1.41 B	4.18	0.428	0.103	0.125	0.074	0.024	0.223	---	---	28
29	---		1.41 B	3.78	0.418	0.088	0.112	0.088	0.026	0.229	---	---	29
30	---		1.39 B	3.60	0.388	0.090	0.111	0.088	0.033	0.241	---	---	30
31	---		1.22 B		0.382		0.100	0.083		0.248	---	---	31
TOTAL	---	---	22.200	281.031	33.828	7.789	3.848	3.219	0.995	4 933	---	---	TOTAL
MEAN	---	---	0.716	9.37	1.09	0.260	0.124	0.104	0.033	0 159	---	---	MEAN
MAX	---	---	1.51	20 4	3.22	0.508	0.218	0.282	0.058	0 248	---	---	MAX
MIN	---	---	0.434	0 908	0.380	0.090	0.071	0.083	0 013	0.030	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.66
MAXIMUM DAILY, 20.4 ON APR 7
MINIMUM DAILY, 0.013 ON SEP 15
MAXIMUM INSTANTANEOUS,
25.8 AT 01:02 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	332
FEB	---	AUG	278
MAR	1 930	SEP	85 0
APR	24 300	OCT	426
MAY	2 930	NOV	---
JUN	573	DEC	---

TOTAL DISCHARGE, 30 900 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO. 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0408	0.1108	0.260E	0.521	0.167	0.054	0.003	0.083	---	---	1
2	---	---	0.0408	0.1348	0.245E	0.442	0.187	0.048	0.004	0.072	---	---	2
3	---	---	0.0408	0.2128	0.230E	0.384	0.184	0.032	0.001	0.068	---	---	3
4	---	---	0.0438	0.3608	0.217E	0.336	0.112	0.020	0	0.072	---	---	4
5	---	---	0.0618	0.5188	0.204E	0.306	0.090	0.017	0	0.086	---	---	5
6	---	---	0.0808	0.8208	0.197E	0.327	0.078	0.014	0	0.082	---	---	6
7	---	---	0.0828	3.38	0.193E	0.335	0.109	0.002	0	0.088	---	---	7
8	---	---	0.0778	3.58	0.190E	0.288	0.100	0	0	0.084	---	---	8
9	---	---	0.0508	3.64	0.188E	0.258	0.084	0	0	0.118	---	---	9
10	---	---	0.0488	3.70	0.188E	0.250	0.092	0	0	0.127	---	---	10
11	---	---	0.0438	2.88	0.188E	0.278	0.084	0.012	0	0.123	---	---	11
12	---	---	0.0428	2.43	0.209A	0.263	0.077	0.008	0	0.126	---	---	12
13	---	---	0.0418	2.08	0.188	0.211A	0.078	0.011	0	0.127	---	---	13
14	---	---	0.0408	1.88	0.185	0.172E	0.108	0.042	0	0.143	---	---	14
15	---	---	0.0408	1.80	0.183	0.181E	0.076	0.084	0	0.132	---	---	15
16	---	---	0.0408	1.56	0.172	0.122A	0.081	0.051	0.003	0.128	---	---	16
17	---	---	0.0408	1.38	0.161	0.118	0.048	0.076	0.013	0.124	---	---	17
18	---	---	0.0408	1.14	0.156	0.084	0.068	0.051	0.027	0.139	---	---	18
19	---	---	0.0408	0.958	0.178	0.060	0.218	0.032	0.057	0.132	---	---	19
20	---	---	0.0408	0.788	0.172	0.077	0.257	0.022	0.057	0.138	---	---	20
21	---	---	0.0408	0.672	0.180	0.081	0.183	0.014	0.051	0.125	---	---	21
22	---	---	0.0578	0.544	0.150	0.081	0.118	0.010	0.040	0.088	---	---	22
23	---	---	0.0868	0.484	0.142	0.087	0.087	0.001	0.038	0.085	---	---	23
24	---	---	0.1468	0.387	0.122	0.077	0.111	0.001	0.034	0.097	---	---	24
25	---	---	0.1208	0.358E	0.133	0.074	0.082	0	0.038	0.087	---	---	25
26	---	---	0.1108	0.244E	0.157	0.086	0.058	0	0.031	0.080	---	---	26
27	---	---	0.1038	0.330E	0.183	0.082	0.041	0.002	0.028	0.102	---	---	27
28	---	---	0.1018	0.312E	0.423	0.111	0.028	0	0.038	0.103	---	---	28
29	---		0.0898	0.298E	1.88	0.082	0.011	0	0.041	0.095	---	---	29
30	---		0.0898	0.278E	1.13	0.088	0.014	0.003	0.038	0.088	---	---	30
31	---		0.1038		0.888		0.038	0.004		0.084	---	---	31
TOTAL	---	---	3.041	38.736	9.202	5.881	3.973	0.849	0.542	3.241	---	---	TOTAL
MEAN	---	---	0.088	1.22	0.297	0.196	0.088	0.021	0.018	0.105	---	---	MEAN
MAX	---	---	0.148	3.70	1.88	0.521	0.257	0.051	0.057	0.143	---	---	MAX
MIN	---	---	0.040	0.110	0.122	0.068	0.011	0	0	0.053	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 3.70 ON APR 10
MINIMUM DAILY, 0 ON AUG 8
MAXIMUM INSTANTANEOUS,
4.24 AT 23:53 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 50 N
LONG 99 27 00 W
DRAINAGE AREA, 82.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	257
FEB	---	AUG	56.1
MAR	178	SEP	48.6
APR	3 170	OCT	280
MAY	785	NOV	---
JUN	808	DEC	---

TOTAL DISCHARGE, 5 290 dam³

BLACK RIVER NEAR MANIGOTAGAN - STATION NO 05RA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7578	0.4018	0.4418	1.88	6.52	1.38	0.095	0.288	0.078	0.012	0.081	0.0578	1
2	0.7168	0.3878	0.4428	1.87	6.01	1.23	0.101	0.257	0.070	0.010	0.080	0.0568	2
3	0.7328	0.3678	0.405	1.88	5.80	1.14	0.093	0.227	0.080	0.012	0.081	0.0528	3
4	0.7288	0.3428	0.401	1.73	5.35	1.06	0.084	0.201	0.080	0.014	0.080	0.0528	4
5	0.6638	0.3428	0.387	2.01	4.88	0.935	0.078	0.188	0.043	0.018	0.080	0.0518	5
6	0.6588	0.3458	0.382	2.88	4.37	0.861	0.073	0.178	0.038	0.017	0.080	0.0508	6
7	0.6518	0.3488	0.410	4.32	4.11	0.850	0.078	0.173	0.033	0.018	0.081	0.0498	7
8	0.6288	0.3308	0.403	5.28	3.78	0.877	0.074	0.167	0.027	0.022	0.080	0.0508	8
9	0.6038	0.3428	0.415	5.37	3.40	0.824	0.071	0.159	0.024	0.031	0.080	0.0508	9
10	0.5828	0.3678	0.438	10.5	3.10	0.776	0.076	0.147	0.020	0.033	0.080	0.0508	10
11	0.5818	0.3608	0.485	11.5	2.77	0.760	0.070	0.180	0.018	0.040	0.088	0.0548	11
12	0.5868	0.3488	0.432	11.2	2.57	0.739	0.082	0.170	0.021	0.047	0.0948	0.0548	12
13	0.6158	0.3558	0.480	10.8	2.32	0.883	0.058	0.174	0.018	0.050	0.0978	0.0538	13
14	0.5778	0.3588	0.484	10.5	2.18	0.801	0.051	0.167	0.018	0.052	0.0928	0.0538	14
15	0.5088	0.3588	0.481	10.3	2.07	0.512	0.048	0.495	0.017	0.050	0.0908	0.0458	15
16	0.4488	0.3618	0.458	10.2	1.93	0.447	0.044	0.398	0.018	0.051	0.0788	0.0428	16
17	0.4548	0.3608	0.442	10.2	1.73	0.376	0.042	0.279	0.022	0.050	0.0758	0.0398	17
18	0.4588	0.3678	0.438	10.6	1.58	0.336	0.041	0.214	0.023	0.055	0.0708	0.0378	18
19	0.4778	0.3618	0.430	10.8	1.44	0.294	0.084	0.177	0.022	0.054	0.0678	0.0348	19
20	0.4948	0.3538	0.487	10.2	1.31	0.243	0.184	0.157	0.020	0.053	0.0688	0.0318	20
21	0.4888	0.3408	0.585	10.0	1.21	0.208	0.189	0.151	0.018	0.051	0.0708	0.0288	21
22	0.4558	0.3468	0.681	9.80	1.14	0.187	0.200	0.145	0.018	0.052	0.0888	0.0268	22
23	0.4118	0.3468	0.734	9.42	1.10	0.171	0.229	0.133	0.015	0.051	0.0858	0.0248	23
24	0.3688	0.3688	0.691	8.84	1.07	0.161	0.333	0.124	0.013	0.051	0.0828	0.0238	24
25	0.3348	0.3808	1.08	8.80	1.02	0.153	0.363	0.114	0.012	0.050	0.0818	0.0218	25
26	0.3208	0.3718	1.30	9.25	0.985	0.184	0.388	0.110	0.013	0.048	0.0818	0.0218	26
27	0.3478	0.3888	1.58	9.10	1.00	0.181	0.348	0.103	0.012	0.049	0.0808	0.0208	27
28	0.3738	0.4088	1.88	8.80	1.22	0.136	0.331	0.085	0.012	0.050	0.0808	0.0188	28
29	0.3848		1.73	7.88	1.38	0.127	0.310	0.088	0.010	0.055	0.0908	0.0178	29
30	0.3848		1.87	7.08	1.39	0.112	0.312	0.085	0.011	0.050	0.0848	0.0148	30
31	0.3898		1.88		1.43		0.288	0.085		0.052		0.0148	31
TOTAL	18.180	10.041	22.234	238.78	78.815	16.881	4.734	5.802	0.775	1.287	1.997	1.185	TOTAL
MEAN	0.522	0.358	0.717	7.86	2.58	0.588	0.153	0.181	0.026	0.041	0.067	0.038	MEAN
MAX	0.787	0.408	1.73	11.5	8.52	1.38	0.388	0.495	0.078	0.082	0.097	0.057	MAX
MIN	0.320	0.336	0.387	1.87	0.985	0.112	0.041	0.085	0.010	0.010	0.058	0.014	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 11.5 ON APR 11
MINIMUM DAILY, 0.010 ON SEP 28
MAXIMUM INSTANTANEOUS,
11.8 AT 14:34 CST ON APR 11

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 95 15 10 W
DRAINAGE AREA, 712 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 400	JUL	409
FEB	888	AUG	484
MAR	1 920	SEP	87.0
APR	20 400	OCT	109
MAY	8 900	NOV	173
JUN	1 440	DEC	102

TOTAL DISCHARGE, 34 300 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. 05RB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.18	14.88	12.48	21.38	70.2	46.1	27.2	21.5	21.1	12.4	11.0	5.818	1
2	16.88	14.88	12.38	21.88	88.9	48.4	26.1	21.0	19.7	7.13	10.8	5.378	2
3	16.88	14.88	12.38	21.88	86.8	46.5	26.4	20.9	18.3	6.21	10.5	5.128	3
4	16.88	14.48	12.28	22.88	84.8	44.5	26.2	20.8	17.4	6.34	10.7	4.828	4
5	16.88	14.18	12.28	24.88	82.7	43.4	27.8	20.2	16.7	7.98	10.5	4.478	5
6	16.88	13.88	12.28	32.28	80.8	42.8	27.5	20.8	15.7	8.35	10.1	4.218	6
7	16.88	13.88	12.28	46.88	89.2	46.5	28.8	20.0	15.0	8.02	10.0	4.138	7
8	16.88	13.78	12.38	80.8	98.9	49.8	28.3	19.3	14.1	8.98	9.80	4.088	8
9	16.88	13.78	12.18	71.8	88.1	50.8	25.4	18.0	13.5	8.47	9.50	4.088	9
10	16.48	13.38	11.88	63.2	83.8	50.0	28.3	18.0	13.0	8.30	9.17	4.068	10
11	16.38	13.38	11.48	92.2	92.2	48.8	28.2	18.4	12.8	8.13	8.98	4.178	11
12	16.28	13.28	11.28	98.1	91.1	47.8	24.5	18.0	12.5	8.18	8.78	4.188	12
13	16.18	13.18	11.08	89.0	90.1	46.3	23.8	18.8	12.1	8.80	8.59	4.188	13
14	16.18	12.98	10.98	100	48.8	44.8	23.2	19.8	11.8	9.18	8.45	4.088	14
15	16.18	12.78	10.88	98.8	48.8	42.8	23.0	21.0	11.7	8.07	8.44	4.018	15
16	16.88	12.68	10.78	88.0	48.2	41.2	22.8	28.8	11.1	8.01	8.51	3.908	16
17	15.38	12.48	10.78	86.3	47.2	38.8	23.0	44.8	10.8	8.84	8.77	3.788	17
18	15.38	12.38	10.78	84.8	48.4	38.1	23.1	44.8	10.4	7.44	8.028	3.688	18
19	15.18	12.48	10.78	84.2	45.3	38.8	23.3	42.8	9.88	7.08	10.7 E	3.508	19
20	16.08	12.38	10.78	83.8	48.8	38.2	24.3	41.7	9.73	8.18	8.878	3.498	20
21	14.88	12.38	11.48	82.8	44.8	33.8	28.2	38.8	8.33	8.48	8.398	3.488	21
22	14.88	12.38	12.78	80.8	43.8	33.2	26.4	36.8	8.83	10.2	8.148	3.288	22
23	14.78	11.88	14.08	84.3	42.4	32.7	26.4	37.8	8.88	10.7	7.888	3.208	23
24	14.38	11.88	15.88	86.2	42.1	33.2	25.8	38.8	8.38	11.1	7.868	3.058	24
25	13.88	11.78	16.88	84.8	41.8	31.8	25.7	38.8	8.08	11.2	7.198	2.928	25
26	13.48	11.88	18.38	82.7	41.3	31.1	24.9	33.1	7.80	11.5	6.718	2.868	26
27	13.18	11.88	19.88	80.3	41.2	29.8	24.1	30.2	7.57	11.8	6.358	2.748	27
28	13.48	12.18	20.88	77.8	42.0	29.1	23.4	27.3	7.37	11.5	6.218	2.688	28
29	13.88		20.88	76.7	44.8	28.7	23.8	26.5	7.88	11.5	6.888	2.828	29
30	13.88		20.88	72.6	48.2	28.8	22.3	27.2	8.92	11.4	6.788	2.808	30
31	14.38		20.88		48.3		21.8	22.8		11.2		2.488	31
TOTAL	478.8	383.7	422.3	2 200.2	1 883.8	1 188.8	774.4	882.4	388.42	281.84	281.34	118.74	TOTAL
MEAN	15.5	13.8	13.6	73.3	61.1	40.8	28.8	27.8	11.8	8.44	8.71	3.77	MEAN
MAX	17.1	14.8	20.8	100	70.2	50.8	28.4	44.8	21.1	12.4	11.8	5.81	MAX
MIN	13.1	11.7	10.7	21.2	41.2	28.8	21.8	18.8	8.82	8.84	8.78	2.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.3
MAXIMUM DAILY, 100 ON APR 14
MINIMUM DAILY, 2.488 ON DEC 31
MAXIMUM INSTANTANEOUS,
100 AT 02:28 CST ON APR 14

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 52 N
LONG 96 38 44 W
DRAINAGE AREA, 8 090 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	41 400	JUL	66 900
FEB	31 400	AUG	74 500
MAR	36 500	SEP	31 000
APR	180 000	OCT	22 600
MAY	137 000	NOV	22 800
JUN	104 000	DEC	10 100

TOTAL DISCHARGE, 788 000 dam³

BOYNE RIVER ABOVE CARMAN DAM - STATION NO. 05QF501

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	283.180E	282.583E	282.822E	282.483	282.439E	282.442E	282.522E	282.522E	282.482	1
2	---	---	---	283.245	282.583	282.522E	282.492E	282.438E	282.442	282.532E	282.533	282.482E	2
3	---	---	---	283.321E	282.542E	282.522	282.492E	282.432	282.435E	282.542	282.522E	282.482	3
4	---	---	---	283.387	282.533	282.526E	282.492	282.432E	282.429E	282.542E	282.532	282.482E	4
5	---	---	---	---	282.522E	282.526E	282.492E	282.432	282.422	282.542	282.515E	282.482	5
6	---	---	---	---	282.512	282.532	282.483	282.429E	282.427E	282.542E	282.508E	---	6
7	---	---	---	---	282.502E	282.532E	282.492E	282.429E	282.432	282.542	282.502	---	7
8	---	---	---	---	282.492E	282.533	282.483	282.422	282.427E	282.542E	282.502E	---	8
9	---	---	---	---	282.482	282.532E	282.492E	282.432E	282.442	282.542E	282.502E	---	9
10	---	---	---	---	282.482E	282.533	282.492E	282.422	282.452E	282.542	282.502	---	10
11	---	---	---	---	282.482	282.527E	282.492	282.422E	282.452E	282.542E	282.497E	---	11
12	---	---	---	---	282.492E	282.523E	282.492E	282.422	282.472	282.542	282.492	---	12
13	---	---	---	---	282.502	282.517	282.492	282.446E	282.482E	282.542E	282.487E	---	13
14	---	---	---	---	282.515E	282.517E	282.492E	282.488E	282.492	282.542	282.482	---	14
15	---	---	---	---	282.526E	282.517	282.492	282.492	282.492E	282.542E	282.482E	---	15
16	---	---	---	---	282.542	282.505E	282.472E	282.487E	282.482	282.542E	282.482	---	16
17	---	---	---	---	282.542E	282.492	282.462	282.502	282.488E	282.542	282.482E	---	17
18	---	---	---	---	282.542	282.480	282.472E	282.512E	282.488E	282.542E	282.482	---	18
19	---	---	---	---	282.542E	282.471E	282.482	282.522	282.502	282.542	282.482E	---	19
20	---	---	283.887	---	282.542	282.462	282.492E	282.532E	282.503E	282.542E	282.482	---	20
21	---	---	283.808E	---	282.542E	282.487E	282.492	282.542E	282.503	282.542	282.482E	---	21
22	---	---	283.738E	---	282.542E	282.482	282.492E	282.552	282.487E	282.542E	282.482E	---	22
23	---	---	283.775	283.887	282.542	282.487E	282.492E	282.548E	282.492	282.542E	282.482	---	23
24	---	---	283.845E	283.880E	282.542E	282.472E	282.492	282.545E	282.485E	282.542	282.482E	---	24
25	---	---	283.915	283.932	282.542	282.477E	282.488E	282.542	282.479E	282.542E	282.482	---	25
26	---	---	283.815E	283.813E	282.537E	282.482E	282.488E	282.537E	282.472	282.542	282.472	---	26
27	---	---	283.815E	283.803E	282.532	282.487	282.482	282.532	282.482E	282.542E	282.477E	---	27
28	---	---	283.918	283.887	282.528E	282.480E	282.472E	282.487E	282.492	282.542	282.482	---	28
29	---		283.982E	283.962E	282.528E	282.482	282.482	282.442	282.503E	282.539E	282.482E	---	29
30	---		284.048E	284.572E	282.532	282.482E	282.482E	282.442E	282.512	282.529E	282.482E	---	30
31	---		284.118		282.532E		282.442	282.442		282.522		---	31
MEAN	---	---	---	---	282.528	282.502	282.484	282.475	282.472	282.540	282.493	---	MEAN
MAX	---	---	---	---	282.582	282.532	282.492	282.552	282.512	282.542	282.522	---	MAX
MIN	---	---	---	---	282.482	282.482	282.442	282.422	282.422	282.522	282.472	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 30 17 N
LONG 98 01 03 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
1 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER NEAR CARMAN - STATION NO. 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1538	0.1418	0.1308	10.1 B	1.55	0.391	0.227	0.043	0.051	0.404	0.402	0.1138	1
2	0.1528	0.1418	0.1208	10.2 B	1.54	0.255	0.264	0.045	0.049	0.390	0.400	0.1088	2
3	0.1498	0.1438	0.1148	9.288	1.50	0.253	0.232	0.041	0.048	0.335	0.417	0.1018	3
4	0.1418	0.1408	0.1288	12.5 B	1.42	0.240	0.218	0.034	0.038	0.421	0.407	0.0958	4
5	0.1408	0.1328	0.1378	15.0 B	1.34	0.254	0.187	0.032	0.033	0.491	0.404	0.0858	5
6	0.1288	0.1278	0.1478	22.4 B	1.28	0.291	0.186	0.033	0.027	0.448	0.417	0.0808	6
7	0.1248	0.1288	0.1448	40.5 B	1.20	0.258	0.322	0.041	0.024	0.488	0.421	0.0788	7
8	0.1208	0.1228	0.1188	40.3	0.889	0.252	0.170	0.046	0.023	0.480	0.411	0.0818	8
9	0.1178	0.1268	0.1278	40.3	0.845	0.225	0.149	0.043	0.023	0.424	0.402	0.1018	9
10	0.1188	0.1238	0.1588	40.0	0.909	0.247	0.215	0.039	0.025	0.382	0.374	0.0888	10
11	0.1238	0.1218	0.1938	33.5	0.810	0.230	0.182	0.033	0.028	0.404	0.331	0.0848	11
12	0.1258	0.1188	0.8718	23.9	0.733	0.288	0.182	0.038	0.026	0.423	0.283	0.0948	12
13	0.1308	0.1188	3.44 B	18.4	0.888	0.280	0.120	0.044	0.025	0.417	0.215	0.0948	13
14	0.1348	0.1148	3.08 B	14.6	0.818	0.281	0.119	0.074	0.041	0.395	0.189	0.0848	14
15	0.1228	0.1138	2.08 B	11.4	0.830	0.298	0.130	0.311	0.089	0.390	0.181	0.0998	15
16	0.1218	0.1148	1.48 B	8.85	0.940	0.235	0.114	0.113	0.088	0.378	0.178	0.1428	16
17	0.1178	0.1178	1.14 B	7.50	0.842	0.231	0.084	0.105	0.088	0.383	0.171	0.2318	17
18	0.1388	0.1288	1.02 B	6.31	0.837	0.231	0.083	0.107	0.095	0.403	0.161	0.2378	18
19	0.1278	0.1288	0.9078	5.47	0.812	0.218	0.241	0.083	0.080	0.382	0.140	0.2308	19
20	0.1298	0.1208	0.8728	4.81	0.807	0.191	0.144	0.078	0.086	0.400	0.133	0.2368	20
21	0.1288	0.1218	0.8818	4.22	0.874	0.159	0.109	0.448	0.103	0.430	0.122	0.2388	21
22	0.1318	0.1138	0.8898	3.51	0.846	0.253	0.111	0.480	0.111	0.459	0.115	0.2388	22
23	0.1288	0.1208	0.7148	3.19	0.825	0.318	0.123	0.340	0.101	0.508	0.112	0.2478	23
24	0.1238	0.1218	1.24 B	2.73	0.809	0.283	0.100	0.263	0.088	0.498	0.110	0.2348	24
25	0.1178	0.1298	2.90 B	2.42	0.817	0.211	0.084	0.181	0.073	0.488	0.106	0.2328	25
26	0.1278	0.1288	3.63 B	2.18	0.851	0.210	0.089	0.129	0.082	0.500	0.107	0.2458	26
27	0.1278	0.1288	5.57 B	2.05	0.712	0.214	0.080	0.090	0.080	0.481	0.108	0.2388	27
28	0.1328	0.1358	8.14 B	1.90	0.706	0.208	0.081	0.083	0.082	0.484	0.1108	0.2418	28
29	0.1308		8.02 B	1.72	0.834	0.211	0.062	0.068	0.116	0.445	0.1128	0.2488	29
30	0.1388		7.50 B	1.63	0.414	0.208	0.037	0.050	0.167	0.451	0.1148	0.2548	30
31	0.1458		8.12 B		0.373		0.037	0.051		0.438		0.2388	31
TOTAL	4.028	3.488	85.281	400.98	25.730	7.440	4.372	3.533	1.826	13.408	7.143	8.153	TOTAL
MEAN	0.130	0.125	2.11	13.4	0.830	0.248	0.141	0.114	0.061	0.433	0.238	0.166	MEAN
MAX	0.163	0.143	8.14	40.5	1.55	0.391	0.322	0.480	0.167	0.508	0.421	0.254	MAX
MIN	0.117	0.113	0.114	1.63	0.373	0.159	0.037	0.032	0.023	0.336	0.106	0.078	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 40.58 ON APR 7
MINIMUM DAILY, 0.023 ON SEP 8
MAXIMUM INSTANTANEOUS,
44.58 AT 09:38 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 00 N
LONG 97 58 40 W
DRAINAGE AREA, 1 280 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348	JUL	378
FEB	302	AUG	305
MAR	5 840	SEP	158
APR	34 600	OCT	1 160
MAY	2 220	NOV	617
JUN	643	DEC	440

TOTAL DISCHARGE, 48 800 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	5.34 B	0.895	0.095	0.004	0.006	0.088	0.177	---	---	1
2	---	---	0.0088	5.57 B	0.896	0.088	0.013	0.007	0.087	0.108	---	---	2
3	---	---	0.0088	5.14 B	0.844	0.088	0.006	0.001	0.070	0.088	---	---	3
4	---	---	0.0138	13.7 B	0.580	0.088	0.008	0.001	0.085	0.087	---	---	4
5	---	---	0.0888	25.3 B	0.518	0.084	0.004	0.001	0.254	0.088	---	---	5
6	---	---	0.2818	27.2 B	0.482	0.084	0.001	0.001	0.578	0.070	---	---	6
7	---	---	1.34 B	26.7 B	0.400	0.080	0.001	0.001	0.308	0.088	---	---	7
8	---	---	1.28 B	24.6 B	0.344	0.032	0.001	0.005	0.240	0.088	---	---	8
9	---	---	1.28 B	20.9 B	0.293	0.030	0.001	0	0.194	0.080	---	---	9
10	---	---	0.9368	17.3 B	0.262	0.026	0.028	0	0.136	0.090	---	---	10
11	---	---	0.8008	14.1	0.234	0.035	0.013	0	0.109	0.086	---	---	11
12	---	---	0.4728	11.1	0.217	0.037	0.030	0	0.095	0.105	---	---	12
13	---	---	0.3188	9.17	0.192	0.038	0.007	0	0.128	0.117	---	---	13
14	---	---	0.2818	7.81	0.165	0.021	0.002	0.483	0.138	0.123	---	---	14
15	---	---	0.2618	6.24	0.146	0.008	0.010	2.42	0.208	0.117	---	---	15
16	---	---	0.2038	5.40	0.127	0.005	0.009	0.701	0.317	0.128	---	---	16
17	---	---	0.1868	4.74	0.137	0.010	0.006	0.871	0.088	0.119	---	---	17
18	---	---	0.1458	4.04	0.122	0.018	0.001	0.816	0.087	0.125	---	---	18
19	---	---	0.1508	3.38	0.113	0.018	0.037	0.336	0.110	0.131	---	---	19
20	---	---	0.4018	2.81	0.109	0.010	0.037	0.146	0.105	0.137	---	---	20
21	---	---	0.8008	2.41	0.132	0.017	0.038	0.080	0.105	0.177	---	---	21
22	---	---	1.55 B	2.04	0.140	0.024	0.026	0.080	0.103	0.118	---	---	22
23	---	---	1.63 B	1.88	0.126	0.026	0.026	0.029	0.642	0.131	---	---	23
24	---	---	2.31 B	1.64	0.098	0.018	0.023	0.019	0.280	0.137	---	---	24
25	---	---	2.87 B	1.30	0.084	0.013	0.018	0.011	0.121	0.148	---	---	25
26	---	---	3.87 B	1.14	0.085	0.014	0.013	0.005	0.092	0.188	---	---	26
27	---	---	3.86 B	0.978	0.121	0.002	0.009	0.006	0.084	0.510	---	---	27
28	---	---	3.95 B	0.788	0.181	0.001	0.004	0.001	0.084	0.425	---	---	28
29	---		8.49 B	0.707	0.140	0.001	0.018	0.001	0.085	0.437	---	---	29
30	---		7.13 B	0.893	0.115	0.001	0.010	0.029	0.335	0.230	---	---	30
31	---		8.74 B		0.093		0.002	0.088		0.151		---	31
TOTAL	---	---	46.523	257.747	7.748	0.885	0.389	5.917	5.108	4.718	---	---	TOTAL
MEAN	---	---	1.50	8.59	0.250	0.030	0.013	0.191	0.170	0.152	---	---	MEAN
MAX	---	---	7.13	27.2	0.895	0.095	0.038	2.42	0.578	0.510	---	---	MAX
MIN	---	---	0.008	0.893	0.084	0.001	0.001	0	0.084	0.088	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.34
MAXIMUM DAILY, 27.20 ON APR 6
MINIMUM DAILY, 0 ON AUG 9
MAXIMUM INSTANTANEOUS,
28.60 AT 00:43 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 38 N
LONG 98 24 52 W
DRAINAGE AREA, 562 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34 5
FEB	---	AUG	511
MAR	4 020	SEP	441
APR	22 300	OCT	408
MAY	688	NOV	---
JUN	77.3	DEC	---

TOTAL DISCHARGE, 28 800 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05DF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0825	0.1238	0.0988	8.18	1.19	0.173	0.207	0.141	0.082	0.889	0.286	0.012	1
2	0.0899	0.1208	0.0978	7.81	1.12	0.248	0.185	0.202	0.047	0.858	0.284	0.010	2
3	0.0878	0.1208	0.0878	9.02	1.05	0.184	0.127	0.178	0.022	0.633	0.281	0.031	3
4	0.0848	0.1178	0.0878	12.8	1.01	0.171	0.130	0.133	0.047	0.882	0.231	0.047	4
5	0.0838	0.1178	0.1008	27.8	0.982	0.198	0.117	0.143	0.033	0.587	0.195	0.077	5
6	0.0828	0.1178	0.2008	44.3	0.821	0.200	0.112	0.116	0.031	0.472	0.205	0.060	6
7	0.1028	0.1148	0.5008	44.1	0.737	0.180	0.095	0.129	0.121	0.438	0.112	0.047	7
8	0.1158	0.1148	1.40 E	42.1	0.703	0.171	0.076	0.108	0.298	0.425	0.083	0.070	8
9	0.1228	0.1148	1.50 E	36.5	0.503	0.184	0.064	0.104	0.308	0.398	0.048	0.075	9
10	0.1288	0.1118	1.50 E	27.7	0.441	0.193	0.107	0.073	0.408	0.402	0.052	0.073	10
11	0.1338	0.1118	1.19 E	20.2	0.371	0.185	0.103	0.078	0.389	0.405	0.055	0.1878	11
12	0.1408	0.1118	0.7708	15.2	0.333	0.188	0.108	0.078	0.345	0.382	0.045	0.3008	12
13	0.1408	0.1118	0.7888	11.8	0.310	0.174	0.081	0.048	0.328	0.371	0.045	0.3008	13
14	0.1378	0.1088	0.6528	9.97	0.283	0.170	0.119	0.120	0.300	0.378	0.033	0.3008	14
15	0.1378	0.1088	0.5618	8.42	0.241	0.156	0.135	0.150	0.308	0.385	0.032	0.2988	15
16	0.1378	0.1088	0.5478	7.21	0.228	0.131	0.095	0.051	0.291	0.390	0.022	0.2988	16
17	0.1348	0.1088	0.4848	6.18	0.220	0.185	0.090	0.058	0.871	0.384	0.023	0.2988	17
18	0.1348	0.1038	0.5038	5.41	0.211	0.188	0.111	0.810	0.810	0.371	0.024	0.2988	18
19	0.1348	0.1038	0.4858	4.80	0.204	0.181	0.145	1.12	0.483	0.368	0.023	0.2988	19
20	0.1318	0.1038	0.4758	4.07	0.308	0.188	0.129	0.917	0.384	0.338	0.029	0.2988	20
21	0.1318	0.1038	0.5308	3.28	0.209	0.183	0.098	0.728	0.336	0.319	0.044	0.2978	21
22	0.1318	0.1008	1.04 E	2.91	0.195	0.170	0.093	0.459	0.289	0.324	0.056	0.2978	22
23	0.1288	0.1008	1.83 E	2.37	0.185	0.190	0.078	0.269	0.188	0.319	0.058	0.2978	23
24	0.1288	0.1008	2.70 E	2.05	0.183	0.174	0.082	0.213	0.378	0.311	0.060	0.2988	24
25	0.1288	0.0988	3.87	1.80	0.178	0.196	0.071	0.155	0.552	0.300	0.078	0.2988	25
26	0.1268	0.0988	5.03	1.62	0.183	0.213	0.085	0.139	0.444	0.300	0.081	0.2988	26
27	0.1268	0.0868	6.02	1.48	0.222	0.202	0.050	0.287	0.338	0.286	0.058	0.2988	27
28	0.1268	0.0988	6.01	1.45	0.213	0.211	0.057	0.198	0.883	0.271	0.033	0.2408	28
29	0.1238		5.93	1.24	0.191	0.211	0.044	0.185	0.782	0.271	0.028	0.2408	29
30	0.1238		5.71	1.17	0.188	0.189	0.050	0.140	0.695	0.284	0.020	0.2008	30
31	0.1238		5.24		0.184		0.087	0.087		0.287		0.2008	31
TOTAL	3.724	3.034	63.682	373.23	13.187	5.480	3.094	7.871	9.875	12.312	2.552	8.374	TOTAL
MEAN	0.120	0.108	2.08	12.4	0.825	0.182	0.100	0.247	0.328	0.397	0.085	0.208	MEAN
MAX	0.140	0.123	9.24	44.3	1.19	0.248	0.207	1.12	0.782	0.882	0.284	0.300	MAX
MIN	0.083	0.098	0.097	1.17	0.184	0.131	0.044	0.048	0.022	0.284	0.020	0.010	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 44.3 ON APR 6
MINIMUM DAILY, 0.010 ON DEC 2
MAXIMUM INSTANTANEOUS,
46.4 AT 18:41 CST ON APR 6

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 48 N
LONG 98 14 56 W
DRAINAGE AREA, 993 km²

B - ICE CONDITIONS

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	332	JUL	287
FEB	262	AUG	683
MAR	5 520	SEP	853
APR	32 200	OCT	1 060
MAY	1 140	NOV	220
JUN	472	DEC	951

TOTAL DISCHARGE, 43 500 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05DF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0808	3.93 B	0.301	0.044	0.026	---	---	---	---	---	1
2	---	---	0.0808	3.82 B	0.281	0.042	0.031	---	---	---	---	---	2
3	---	---	0.0808	5.06 B	0.233	0.036	0.013	---	---	---	---	---	3
4	---	---	0.0808	4.25 B	0.194	0.033	0.009	---	---	---	---	---	4
5	---	---	0.0808	14.0	0.181	0.032	0.006	---	---	---	---	---	5
6	---	---	0.0808	14.5	0.185	0.028	0.005	---	---	---	---	---	6
7	---	---	0.0808	9.38	0.128	0.024	0.005	---	---	---	---	---	7
8	---	---	0.0808	7.87	0.112	0.020	0.005	---	---	---	---	---	8
9	---	---	0.0808	7.06	0.095	0.015	0.005	---	---	---	---	---	9
10	---	---	0.0788	6.26	0.087	0.010	0.007	---	---	---	---	---	10
11	---	---	0.0918	4.88	0.084	0.025	0.018	---	---	---	---	---	11
12	---	---	0.1048	4.03	0.071	0.030	0.035	---	---	---	---	---	12
13	---	---	0.1178	3.29	0.065	0.023	0.014	---	---	---	---	---	13
14	---	---	0.1258	2.88	0.061	0.016	0.017	---	---	---	---	---	14
15	---	---	0.1298	1.98	0.061	0.009	0.014	---	---	---	---	---	15
16	---	---	0.1418	1.59	0.058	0.009	0.009	---	---	---	---	---	16
17	---	---	0.1558	1.27	0.057	0.006	0.006	---	---	---	---	---	17
18	---	---	0.1708	1.19	0.058	0.004	0.007	---	---	---	---	---	18
19	---	---	0.2068	1.04	0.058	0.033	0.033	---	---	---	---	---	19
20	---	---	0.2678	0.923	0.055	0.009	0.075A	---	---	---	---	---	20
21	---	---	0.3898	0.818	0.071	0.007	---	---	---	---	---	---	21
22	---	---	0.6548	0.730	0.066	0.006	---	---	---	---	---	---	22
23	---	---	3.18 B	0.657	0.073	0.007	---	---	---	---	---	---	23
24	---	---	3.17 B	0.581	0.066	0.006	---	---	---	---	---	---	24
25	---	---	3.34 B	0.527	0.057	0.007	---	---	---	---	---	---	25
26	---	---	3.48 B	0.479	0.058	0.006	---	---	---	---	---	---	26
27	---	---	3.98 B	0.428	0.073	0.006	---	---	---	---	---	---	27
28	---	---	3.66 B	0.386	0.083	0.006	---	---	---	---	---	---	28
29	---		3.38 B	0.345	0.082	0.006	---	---	---	---	---	---	29
30	---		3.46 B	0.315	0.072	0.006	---	---	---	---	---	---	30
31	---		2.98 B		0.053		---	---		---		---	31
TOTAL	---	---	32.334	108.381	3.132	0.552	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.04	3.61	0.101	0.019	---	---	---	---	---	---	MEAN
MAX	---	---	3.98	14.5	0.301	0.044	---	---	---	---	---	---	MAX
MIN	---	---	0.080	0.315	0.051	0.006	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 14.5 ON APR 6
MINIMUM DAILY, 0.006 ON JUN 23
MAXIMUM INSTANTANEOUS,
19.1 AT 02:22 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 15 N
LONG 98 38 35 W
DRAINAGE AREA, 274 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 790	SEP	---
APR	9 380	OCT	---
MAY	271	NOV	---
JUN	46 8	DEC	---

TOTAL DISCHARGE, 12 900 dam³

BRERETON LAKE NEAR RENNIE - STATION NO 05PE003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	316.078	316.035	315.981	315.989	315.882	315.788	---	---	1
2	---	---	---	---	316.078	316.026	315.956	315.986	315.880	315.784	---	---	2
3	---	---	316.940A	---	316.080	316.016	315.952	315.988	315.857	315.780	---	---	3
4	---	---	---	---	316.081	316.017	315.950	315.986	315.856	315.787	---	---	4
5	---	---	---	---	316.081	316.015	315.943	315.950	315.848	315.777	---	---	5
6	---	---	---	---	316.078	316.015	315.948	315.942	315.850	315.777	---	---	6
7	---	---	---	---	316.075	316.013	315.988	315.937	315.848	315.778	---	---	7
8	---	---	---	---	316.078	316.006	315.988	315.933	315.843	315.773	---	---	8
9	---	---	---	316.132A	316.067	316.007	315.955	315.938	315.836	315.778	---	---	9
10	---	---	---	316.189	316.081	316.008	315.958	315.924	315.838	315.777	---	---	10
11	---	---	---	316.187	316.084	316.025	315.984	315.931	315.837	315.773A	---	---	11
12	---	---	---	316.180	316.084	316.020	315.988	315.933	315.837	315.770E	---	---	12
13	---	---	---	316.187	316.047A	316.018	315.983	315.927	315.832	315.772E	---	---	13
14	---	---	---	316.208	316.037	316.011	315.983	315.922	315.830	315.769E	---	---	14
15	---	---	---	316.219	316.038	316.008	315.987	315.930	315.828	315.769E	---	---	15
16	---	---	---	316.228	316.032	316.002	315.984	315.917	315.822	315.767E	---	---	16
17	---	---	---	316.226	316.024	315.996	315.943	315.913	315.822	315.764E	---	---	17
18	---	---	---	316.217	316.023	315.987	315.938	315.908	315.819	315.760E	---	---	18
19	---	---	---	316.197	316.018	315.983	315.948	315.909	315.817	315.758E	---	---	19
20	---	---	---	316.171	316.018	315.978	315.982	315.900	315.813	315.758E	---	---	20
21	---	---	---	316.153	316.030	315.990	315.943	315.897	315.814	315.755A	---	---	21
22	---	---	---	316.133	316.033	316.004	315.984	315.888	315.811	315.754	---	---	22
23	---	---	---	316.114	316.032	316.002	315.986	315.883	315.806	315.753	---	---	23
24	---	---	---	316.100	316.030	315.985	315.950	315.878	315.801	315.754	---	---	24
25	---	---	---	316.087	316.031	315.991	315.948	315.873	315.782	315.754	---	---	25
26	---	---	---	316.082	316.030	315.983	315.942	315.888	315.788	315.748	---	---	26
27	---	---	---	316.084	316.038	315.978	315.940	315.884	315.789	315.748	---	---	27
28	---	---	---	316.078	316.038	315.970	315.937	315.885	315.783	315.750	---	---	28
29	---		---	316.076	316.038	315.981	315.932	315.888	315.787	315.748	---	---	29
30	---		---	316.077	316.037	315.988	315.928	315.888	315.788	315.748	---	---	30
31	---		---		316.035		315.983	315.870		315.748		---	31
MEAN	---	---	---	---	316.047	316.001	315.950	315.912	315.825	315.765	---	---	MEAN
MAX	---	---	---	---	316.081	316.035	315.988	315.988	315.882	315.780	---	---	MAX
MIN	---	---	---	---	316.018	315.969	315.928	315.884	315.788	315.748	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY 316.229 ON APR 18

MAXIMUM INSTANTANEOUS
316.233 AT 10 15 CST ON APR 18

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 41 N
LONG 95 32 41 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO 05AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1730	0.1460	0.1610	7.130	5.15	2.05	0.040	1.82	0.314	0.081	0.225	0.2250	1
2	0.1380	0.1460	0.1580	6.560	4.81	1.80	0.038	1.03	0.300	0.073	0.232	0.2470	2
3	0.2360	0.1490	0.1500	5.410	4.20	1.52	0.027	0.751	0.294	0.089	0.218	0.2800	3
4	0.2600	0.1530	0.1430	5.430	3.82	1.40	0.025	0.681	0.255	0.089	0.214	0.3140	4
5	0.2630	0.1650	0.4500	17.1 0	3.57	1.28	0.029	0.717	0.218	0.130	0.248	0.3410	5
6	0.0810	0.1840	0.9890	18.8 0	3.16	1.17	0.025	1.28	0.188	0.116	0.378	0.2770	6
7	0.1470	0.1880	1.38 0	18.4 0	2.82	1.04	0.031	1.21	0.148	0.102	0.304	0.2040	7
8	0.1880	0.1750	1.02 0	17.7	2.82	0.932	0.033	1.34	0.105	0.105	0.230	0.1980	8
9	0.1670	0.1700	0.9540	16.7	2.17	0.757	0.027	1.16	0.082	0.120	0.3340	0.1880	9
10	0.1280	0.1760	0.8620	17.1	1.87	0.667	0.048	1.23	0.090	0.122	0.2380	0.1680	10
11	0.1640	0.1940	0.8430	18.0	1.70	0.834	0.038	1.82	0.074	0.148	0.304	0.2050	11
12	0.1890	0.1730	0.4860	18.5	1.81	0.495	0.038	1.90	0.088	0.139	0.208	0.3500	12
13	0.1890	0.1640	0.4060	17.9	1.34	0.544	0.028	1.90	0.140	0.133	0.208	0.3010	13
14	0.2380	0.1520	0.8210	16.8	1.26	0.530	0.033	1.23	0.149	0.124	0.208	0.2258	14
15	0.2600	0.1380	0.6930	15.9	1.18	0.480	0.034	1.19	0.189	0.116	0.208	0.2040	15
16	0.2480	0.1280	0.7800	15.4	1.05	0.358	0.035	1.18	0.134	0.107	0.218	0.1920	16
17	0.2430	0.1300	0.8940	14.8	0.962	0.328	0.028	1.02	0.118	0.110	0.208	0.2330	17
18	0.2280	0.1480	1.58 0	14.4	0.976	0.180	0.031	0.932	0.124	0.122	0.2600	0.2360	18
19	0.2090	0.1660	1.98 0	13.9	0.787	0.238	0.108	0.886	0.141	0.126	0.2320	0.2320	19
20	0.1960	0.2100	2.30 0	13.2	0.706	0.218	0.094	0.822	0.138	0.147	0.3280	0.2210	20
21	0.1660	0.1930	2.85 0	12.4	0.737	0.189	0.102	0.783	0.147	0.189	0.3660	0.1880	21
22	0.1750	0.1760	3.75 0	11.6	0.883	0.169	0.884	0.732	0.120	0.245	0.3240	0.1870	22
23	0.1600	0.1840	4.84 0	10.8	0.713	0.127	0.838	0.880	0.084	0.367	0.3210	0.1470	23
24	0.1480	0.1580	7.76 0	9.85	0.805	0.103	0.842	0.837	0.101	0.278	0.3660	0.1820	24
25	0.1360	0.1840	8.51 0	9.04	1.02	0.085	0.844	0.598	0.077	0.277	0.3420	0.2360	25
26	0.1300	0.1800	7.03 0	8.26	1.10	0.083	0.573	0.588	0.071	0.266	0.3170	0.2400	26
27	0.1340	0.1700	10.3 0	7.56	1.13	0.044	0.537	0.537	0.082	0.262	0.3030	0.2480	27
28	0.1380	0.1630	9.26 0	6.85	1.43	0.038	0.584	0.486	0.077	0.303	0.2880	0.2130	28
29	0.1480		7.63 0	6.19	1.78	0.037	0.559	0.490	0.082	0.248	0.2520	0.2400	29
30	0.1420		8.20 0	5.59	2.14	0.036	0.583	0.402	0.085	0.233	0.2370	0.2120	30
31	0.1390		7.54 0		2.32		4.36	0.354		0.234		0.2480	31
TOTAL	5.554	4.828	94.281	381.88	58.241	17.551	10.484	28.252	4.213	5.132	7.938	8.537	TOTAL
MEAN	0.179	0.165	3.04	12.7	1.81	0.585	0.339	0.984	0.140	0.166	0.285	0.211	MEAN
MAX	0.263	0.210	10.3	18.8	5.15	2.05	4.36	1.82	0.314	0.303	0.376	0.350	MAX
MIN	0.081	0.128	0.150	5.59	0.683	0.036	0.023	0.354	0.071	0.089	0.204	0.040	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.72
MAXIMUM DAILY 18.88 ON APR 6
MINIMUM DAILY 0.023 ON JUL 6
MAXIMUM INSTANTANEOUS
20.6 AT 02 20 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 25 46 W
DRAINAGE AREA 1 550 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	480	JUL	907
FEB	400	AUG	2 430
MAR	8 150	SEP	364
APR	33 000	OCT	443
MAY	5 030	NOV	686
JUN	1 520	DEC	684

TOTAL DISCHARGE 54 200 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO 05KA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	2.148	1.95	0.328	0.014	0.417	0.041	0.002	---	---	1
2	---	---	0.0038	3.118	1.77	0.225	0.010	0.383	0.053	0.003	---	---	2
3	---	---	0.0028	2.318	1.58	0.259	0.007	0.404	0.063	0.004	---	---	3
4	---	---	0.0038	3.248	1.44	0.250	0.006	0.426	0.022	0.006	---	---	4
5	---	---	0.0068	5.048	1.30	0.234	0.005	0.442	0.058	0.005	---	---	5
6	---	---	0.0088	5.818	1.18	0.222	0.006	0.506	0.051	0.003	---	---	6
7	---	---	0.1328	5.818	1.03	0.194	0.022	0.508	0.070	0.003	---	---	7
8	---	---	0.1208	5.728	0.913	0.188	0.007	0.527	0.080	0.002	---	---	8
9	---	---	0.1108	5.588	0.800	0.145	0.007	0.588	0.053	0.005	---	---	9
10	---	---	0.1048	5.118	0.712	0.113	0.015	0.589	0.056	0.006	---	---	10
11	---	---	0.0738	5.87	0.630	0.158	0.024	0.636	0.049	0.007	---	---	11
12	---	---	0.0538	6.47	0.548	0.145	0.032	0.572	0.050	0.024	---	---	12
13	---	---	0.0418	6.37	0.471	0.125	0.039	0.546	0.047	0.044	---	---	13
14	---	---	0.0188	6.26	0.387	0.103	0.044	0.527	0.057	0.081	---	---	14
15	---	---	0.0088	6.04	0.300	0.080	0.037	0.528	0.050	0.071	---	---	15
16	---	---	0.0088	5.83	0.234	0.052	0.030	0.514	0.033	0.080	---	---	16
17	---	---	0.0088	5.67	0.253	0.038	0.019	0.488	0.035	0.084	---	---	17
18	---	---	0.0048	5.57	0.307	0.012	0.021	0.478	0.046	0.111	---	---	18
19	---	---	0.0048	5.38	0.283	0.007	0.048	0.480	0.044	0.118	---	---	19
20	---	---	0.0038	5.04	0.307	0.008	0.028	0.428	0.048	0.120	---	---	20
21	---	---	0.0108	4.76	0.418	0.018	0.022	0.400	0.042	0.114	---	---	21
22	---	---	0.2608	4.43	0.440	0.042	0.133	0.384	0.032	0.111	---	---	22
23	---	---	0.2918	4.07	0.425	0.082	0.132	0.348	0.015	0.112	---	---	23
24	---	---	0.4258	3.78	0.431	0.118	0.108	0.306	0.025	0.088	---	---	24
25	---	---	0.5688	3.46	0.373	0.088	0.084	0.277	0.018	0.107	---	---	25
26	---	---	1.06 E	3.17	0.388	0.081	0.074	0.257	0.008	0.107	---	---	26
27	---	---	1.86 E	2.86	0.470	0.080	0.088	0.210	0.005	0.102	---	---	27
28	---	---	2.23 E	2.83	0.530	0.044	0.077	0.181	0.004	0.080	---	---	28
29	---		2.89 E	2.33	0.523	0.024	0.038	0.142	0.004	0.061	---	---	29
30	---		2.70 E	2.12	0.445	0.011	0.089	0.118	0.003	0.084	---	---	30
31	---		2.46 E		0.380		0.358	0.058		0.094	---	---	31
TOTAL	---	---	15.857	137.08	21.168	3.429	1.821	12.578	1.138	1.888	---	---	TOTAL
MEAN	---	---	0.502	4.57	0.683	0.114	0.052	0.405	0.038	0.060	---	---	MEAN
MAX	---	---	2.89	6.47	1.95	0.328	0.358	0.636	0.070	0.120	---	---	MAX
MIN	---	---	0.002	2.11	0.234	0.006	0.005	0.058	0.003	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.784
MAXIMUM DAILY, 6.87 ON APR 12
MINIMUM DAILY, 0.0028 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.90 AT 14:07 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 96 21 57 W
DRAINAGE AREA, 850 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	140
FEB	---	AUG	1 090
MAR	1 340	SEP	98.3
APR	11 800	OCT	181
MAY	1 830	NOV	---
JUN	295	DEC	---

TOTAL DISCHARGE, 16 800 dam³

BUFFALO LAKE CHANNEL NEAR ALTONA - STATION NO 05OC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	5.81 E	0.016	0	0	0	0	0	---	---	1
2	---	---	0 E	10.4 E	0.016	0	0	0	0	0	---	---	2
3	---	---	0 E	16.7 E	0.012	0	0	0	0	0	---	---	3
4	---	---	0 E	31.7 E	0.010	0	0	0	0	0	---	---	4
5	---	---	0 E	36.1 E	0.005	0	0	0	0	0	---	---	5
6	---	---	0 E	19.1	0.001	0	0	0	0	0	---	---	6
7	---	---	0 E	8.53	0	0	0	0	0	0	---	---	7
8	---	---	0 E	4.84	0	0	0	0	0	0	---	---	8
9	---	---	0 E	2.75	0	0	0	0	0	0	---	---	9
10	---	---	0 E	1.84	0	0	0	0	0	0	---	---	10
11	---	---	0 E	1.45	0	0	0	0	0	0	---	---	11
12	---	---	0 E	1.04	0	0	0	0	0	0	---	---	12
13	---	---	0 E	0.910	0	0	0	0	0	0	---	---	13
14	---	---	0 E	0.832	0	0	0	0	0	0	---	---	14
15	---	---	0 E	0.760	0	0	0	0	0	0	---	---	15
16	---	---	0 E	0.715	0	0	0	0	0	0	---	---	16
17	---	---	0 E	0.668	0	0	0	0	0	0	---	---	17
18	---	---	0 E	0.631	0	0	0	0	0	0	---	---	18
19	---	---	0 E	0.607	0	0	0	0	0	0	---	---	19
20	---	---	0 E	0.595	0	0	0	0	0	0	---	---	20
21	---	---	0 E	0.583	0	0	0	0	0	0	---	---	21
22	---	---	0 E	0.449	0	0	0	0	0	0	---	---	22
23	---	---	0 E	0.383	0	0	0	0	0	0	---	---	23
24	---	---	0 E	0.281	0	0	0	0	0	0	---	---	24
25	---	---	0.0088	0.207	0	0	0	0	0	0	---	---	25
26	---	---	0.0108	0.150	0	0	0	0	0	0	---	---	26
27	---	---	0.0068	0.104	0	0	0	0	0	0	---	---	27
28	---	---	0.0258	0.062	0	0	0	0	0	0	---	---	28
29	---		0.7048	0.023	0	0	0	0	0	0	---	---	29
30	---		0.7278	0.017	0	0	0	0	0	0	---	---	30
31	---		1.18 E		0		0	0		0	---	---	31
TOTAL	---	---	5.251	148.808	0.080	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.169	4.96	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.18	36.1	0.016	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.017	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.529
MAXIMUM DAILY, 36.10 ON APR 5
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
41.5 AT 10:56 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 28 N
LONG 97 36 35 W
DRAINAGE AREA, 463 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	454	SEP	0
APR	12 900	OCT	0
MAY	5.16	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 13 400 dam³

BURNT LAKE DRAIN NO. 1 NEAR DEERHORN - STATION NO 05LN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0188	0.200	0.058	0	---	---	---	---	---	1
2	---	---	0 B	0.0109	0.183	0.031	0A	---	---	---	---	---	2
3	---	---	0 B	0.0168	0.175	0.024	---	---	---	---	---	---	3
4	---	---	0 B	0.1908	0.148	0.025	---	---	---	---	---	---	4
5	---	---	0 B	1.17 B	0.126	0.017	---	---	---	---	---	---	5
6	---	---	0 B	3.25 B	0.114	0.017	---	---	---	---	---	---	6
7	---	---	0 B	1.34 B	0.102	0.015	---	---	---	---	---	---	7
8	---	---	0 B	0.3158	0.086	0.013	---	---	---	---	---	---	8
9	---	---	0 B	0.583	0.089	0.011	---	---	---	---	---	---	9
10	---	---	0 B	1.31	0.088	0.011	---	---	---	---	---	---	10
11	---	---	0 B	1.78	0.084	0.010	---	---	---	---	---	---	11
12	---	---	0 B	2.00	0.128	0.007	---	---	---	---	---	---	12
13	---	---	0 B	1.40	0.187	0.008	---	---	---	---	---	---	13
14	---	---	0 B	1.43	0.247	0.005	---	---	---	---	---	---	14
15	---	---	0 B	0.990	0.274	0.006	---	---	---	---	---	---	15
16	---	---	0 B	0.786	0.180	0.003	---	---	---	---	---	---	16
17	---	---	0 B	0.883	0.103	0.032	---	---	---	---	---	---	17
18	---	---	0 B	0.803	0.077	0.023	---	---	---	---	---	---	18
19	---	---	0 B	0.572	0.068	0.014	---	---	---	---	---	---	19
20	---	---	0 B	0.520	0.053	0.010	---	---	---	---	---	---	20
21	---	---	0 B	0.488	0.053	0.004	---	---	---	---	---	---	21
22	---	---	0 B	0.412	0.043	0.002	---	---	---	---	---	---	22
23	---	---	0 B	0.382	0.042	0.001	---	---	---	---	---	---	23
24	---	---	0 B	0.340	0.038	0	---	---	---	---	---	---	24
25	---	---	0 B	0.316	0.033	0	---	---	---	---	---	---	25
26	---	---	0.0038	0.291	0.030	0	---	---	---	---	---	---	26
27	---	---	0.0188	0.266	0.025	0	---	---	---	---	---	---	27
28	---	---	0.0388	0.237	0.058	0	---	---	---	---	---	---	28
29	---		0.0628	0.218	0.074	0	---	---	---	---	---	---	29
30	---		0.0328	0.212	0.057	0	---	---	---	---	---	---	30
31	---		0.0268		0.053		---	---		---		---	31
TOTAL	---	---	0.178	22.476	3.098	0.344	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.006	0.749	0.100	0.011	---	---	---	---	---	---	MEAN
MAX	---	---	0.062	3.25	0.274	0.058	---	---	---	---	---	---	MAX
MIN	---	---	0	0.010	0.026	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.214
MAXIMUM DAILY, 3.258 ON APR 6
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 39 N
LONG 98 02 27 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	15.4	SEP	---
APR	1 940	OCT	---
MAY	288	NOV	---
JUN	29.7	DEC	---

TOTAL DISCHARGE, 2 250 dam³

BURNT LAKE DRAIN NO. 2 NEAR LUNDAR - STATION NO 05LN003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1118	0.288	0.068	0.002	0.007	0	0.002	0	---	1
2	---	---	0 B	0.1188	0.280	0.065	0.004	0.002	0	0	0A	---	2
3	---	---	0 B	0.1388	0.230	0.074	0		0	0	---	---	3
4	---	---	0 B	0.4788	0.209	0.068	0		0	0.001	0.001	---	4
5	---	---	0 B	4.44 B	0.178	0.052	0		0		0.004	---	5
6	---	---	0 B	7.09 B	0.138	0.050	0		0.318	0	0.001	---	6
7	---	---	0 B	4.20	0.128	0.048	0		0.523	0	0	---	7
8	---	---	0 B	1.89	0.118	0.040	0		0.063	0	0.003	---	8
9	---	---	0 B	1.34	0.110	0.032	0.020		0.011	0	0.007	---	9
10	---	---	0 B	2.00	0.106	0.028	0.004		0.005	0	0.004	---	10
11	---	---	0 B	3.18	0.105	0.032	0.001		0.005	0.002	0.004	---	11
12	---	---	0 B	3.16	0.105	0.038	0.028		0.001	0.002	0.003	---	12
13	---	---	0 B	2.95	0.180	0.024	0.011		0	0.003	0.003	---	13
14	---	---	0 B	2.41	0.198	0.018	0.022		0.522	0.001	0.002	---	14
15	---	---	0 B	1.24	0.234	0.009	0.018		0.068	0	0.001	---	15
16	---	---	0 B	0.987	0.227	0.005	0.008		0.037	0.015	0	---	16
17	---	---	0 B	0.886	0.174	0.048	0.009		0.011	0.014	0.002	---	17
18	---	---	0 B	0.797	0.136	0.035	0.011		0.007	0.011	0.003	---	18
19	---	---	0.0028	0.746	0.120	0.034	0.048		0.004	0.004	0.001	---	19
20	---	---	0.0018	0.625	0.120	0.020	0.035		0.003	0.001	0.002	---	20
21	---	---	0.0148	0.591	0.115	0.008	0.020		0.563	0	0	---	21
22	---	---	0.0358	0.554	0.108	0.004	0.021		0.001	0	0.001	---	22
23	---	---	0.0528	0.477	0.088	0.006	0.018		0	0	0.002	---	23
24	---	---	0.0898	0.455	0.087	0.006	0.009		0	0	0.004	---	24
25	---	---	0.1398	0.443	0.081	0.001	0.006		0	0	0.003	---	25
26	---	---	0.1958	0.438	0.082	0		0.007	0	0	0.002	---	26
27	---	---	0.3288	0.386	0.083	0		0.004	0	0	0	---	27
28	---	---	0.3848	0.388	0.158	0		0.003	0	0.001	0	---	28
29	---		0.4798	0.324	0.113	0		0.002	0	0.001	0	---	29
30	---		0.3948	0.317	0.115	0		0	0.003	0	0	---	30
31	---		0.1518		0.087			0.012	0		0		31
TOTAL	---	---	2.274	43.139	4.504	0.839	0.455	1.264	0.656	0.055	0.055	---	TOTAL
MEAN	---	---	0.073	1.44	0.145	0.028	0.015	0.040	0.562	0.002	0.002	---	MEAN
MAX	---	---	0.479	7.09	0.298	0.068	0.084	0.523	0.015	0.007	---	---	MAX
MIN	---	---	0	0.111	0.081	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.215
MAXIMUM DAILY, 7.088 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS
7.93 AT 08 30 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 05 24 W
DRAINAGE AREA, 745 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	39.4
FEB	---	AUG	108
MAR	166	SEP	4.84
APR	3 730	OCT	4.75
MAY	388	NOV	---
JUN	72.5	DEC	---

TOTAL DISCHARGE, 4 540 dam³

BURNTWOOD RIVER ABOVE LEAF RAPIDS - STATION NO. 05TE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.778	7.628	5.858	5.858	59.6	36.4	38.9	25.2	17.9	16.8	14.8 B	7.958	1
2	8.718	7.618	5.578	5.688	58.9	38.6	36.7	24.8	17.8	17.7	14.6 B	7.788	2
3	8.678	7.618	5.498	5.738	55.0	40.0	34.8	24.0	18.0	18.1	14.4 B	7.868	3
4	8.628	7.588	5.408	5.808	53.4	38.8	34.2	23.8	18.1	18.3	14.3 B	7.858	4
5	8.608	7.588	5.308	5.838	52.5	38.0	33.2	23.4	20.5	18.3	14.1 B	7.398	5
6	8.608	7.578	5.248	5.848	50.0	36.3	31.3	23.3	21.8	18.0	13.8 B	7.288	6
7	8.588	7.558	5.198	6.078	47.6	34.3	31.0	21.6	22.5	17.7	13.6 B	7.128	7
8	8.478	7.588	5.138	6.208	46.3	33.0	33.2	20.8	22.9	17.2	13.3 B	7.018	8
9	8.358	7.558	5.108	6.348	44.4	32.1	38.3	20.2	23.2	16.8	13.1 B	6.888	9
10	8.288	7.558	5.088	6.508	42.1	31.1	35.4	19.2	23.4	16.4	12.8 B	6.768	10
11	8.198	7.488	5.128	6.688	38.9	30.4	34.7	18.8	23.5	16.8	12.4 B	6.848	11
12	8.138	7.418	5.198	6.678	38.7	31.3	34.3	20.1	23.4	16.8	12.2 B	6.588	12
13	8.088	7.308	5.198	7.308	37.7	32.4	34.0	23.4	22.9	16.8	11.8 B	6.448	13
14	8.048	7.248	5.288	8.088	38.4	33.7	33.1	26.3	22.5	16.8	11.7 B	6.348	14
15	8.008	7.128	5.328	11.0	38.6	32.4	32.0	28.7	21.9	17.2	11.4 B	6.238	15
16	7.978	7.018	5.408	14.5	34.8	30.7	31.1	28.9	21.0	17.3	11.2 B	6.128	16
17	7.938	6.908	5.488	18.7	34.2	28.3	30.2	24.8	20.6	17.0	10.8 B	6.048	17
18	7.888	6.828	5.518	25.1	33.2	30.1	28.8	23.8	20.6	16.7	10.7 B	5.928	18
19	7.848	6.728	5.588	34.5	32.5	31.0	27.8	22.7	20.5	16.7	10.4 B	5.848	19
20	7.808	6.638	5.808	42.8	31.7	30.7	27.1	22.0	20.2	16.8	10.2 B	5.788	20
21	7.778	6.538	6.628	51.0	30.2	29.8	26.8	21.0	19.8	16.8	9.988	5.688	21
22	7.758	6.428	6.628	58.8	28.7	29.1	26.3	20.3	19.8	16.3	9.788	5.588	22
23	7.708	6.328	6.648	66.2	28.6	32.2	25.9	19.4	19.3	15.9	9.588	5.488	23
24	7.668	6.218	6.658	68.3	29.1	47.6	25.0	18.6	18.7	15.7	9.328	5.408	24
25	7.668	6.088	6.858	68.8	28.5	62.5	24.1	18.0	18.0	15.6	9.048	5.328	25
26	7.668	5.988	6.858	68.2	27.6	64.4	23.2	17.4	17.5	15.58	8.868	5.278	26
27	7.648	5.898	6.648	67.6	27.1	59.9	23.1	16.9	17.1	15.48	8.678	5.188	27
28	7.648	5.818	6.628	67.3	26.7	54.3	24.7	16.5	16.7	15.38	8.488	5.138	28
29	7.628		6.628	68.0 A	27.0	48.6	25.6	16.7	16.4	15.28	8.318	5.088	29
30	7.628		6.628	63.0	30.6	43.9	25.6	17.1	16.3	15.18	8.138	4.998	30
31	7.628		6.648		34.8		25.6	17.6		14.98		4.848	31
TOTAL	249.85	195.87	188.72	680.57	1 182.1	1 142.7	934.2	667.0	604.0	515.8	341.88	193.32	TOTAL
MEAN	8.06	6.99	6.44	28.4	38.2	38.1	30.1	21.2	20.1	16.6	11.4	6.24	MEAN
MAX	8.77	7.62	6.85	68.8	59.6	64.4	38.9	28.7	23.5	18.3	14.8	7.95	MAX
MIN	7.62	5.81	5.08	5.68	26.7	29.1	23.1	16.6	16.3	14.9	8.13	4.84	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.4
MAXIMUM DAILY, 68.8 ON APR 25
MINIMUM DAILY, 4.848 ON DEC 31
MAXIMUM INSTANTANEOUS,
69.7 AT 19:30 CST ON APR 25

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 30 00 N
LONG 99 13 20 W
DRAINAGE AREA, 5 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	21 500	JUL	80 700
FEB	16 900	AUG	55 800
MAR	16 800	SEP	52 200
APR	78 100	OCT	44 600
MAY	102 000	NOV	29 500
JUN	98 700	DEC	16 700

TOTAL DISCHARGE, 610 000 dam³

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9498	9488	9208	8848	9328	928	1 080	1 040	807	750	838A	1 0208	1
2	9498	9488	9138	8928	935	928	1 080	1 040	800	742	838A	1 0308	2
3	9498	9448	9188	8918	938	932	1 080	1 030	798	741	842A	1 0308	3
4	9498	9448	9188	8908	920	933	1 080	1 030	784	745	848A	1 0308	4
5	9498	9438	9178	8888	921	938	1 080	1 030	787	742	852A	1 0308	5
6	9488	9438	9178	8868	918	945	1 080	1 010	784	741	858A	1 0308	6
7	9488	9428	9168	8878	918	948	1 090	1 000	778	740	863A	1 0308	7
8	9498	9408	9168	8868	917	945	1 080	998	777	741	870A	1 0308	8
9	9498	9408	9168	8858	917	944	1 080	989	778	738	901A	1 0408	9
10	9498	9398	9158	8868	917	944	1 080	981	776	730	908A	1 0408	10
11	9498	9378	9158	8848	918	941	1 080	978	773	732	901A	1 0408	11
12	9498	9368	9148	8858	920	942	1 080	988	770	733	898A	1 0408	12
13	9498	9348	9138	8868	918	940	1 080	980	768	733	885A	1 0408	13
14	9498	9338	9138	8918	914	938	1 080	986	768	733	902A	1 0408	14
15	9498	9328	9138	8898	918	938	1 080	982	783	735	918A	1 0408	15
16	9498	9318	9138	9078	911	947	1 080	968	783	738	918A	1 0408	16
17	9498	9308	9128	9128	908	950	1 080	961	783	740	943A	1 0408	17
18	9488	9298	9118	9168	902	955	1 080	953	784	741	958A	1 0408	18
19	9488	9288	9108	9198	908	950	1 080	933	784	747	9718	1 0408	19
20	9488	9278	9098	9228	908	956	1 070	912	781	749	9778	1 0308	20
21	9488	9278	9088	9248	902	971	1 070	903	788	783	9858	1 0308	21
22	9488	9268	9078	9278	898	978	1 080	890	785	788	9918	1 0308	22
23	9488	9248	9068	9288	895	991	1 080	878	781	784	9968	1 0308	23
24	9488	9248	9058	9308	897	1 010	1 080	867	748	782	1 0008	1 0308	24
25	9478	9238	9038	9318	897	1 020	1 080	858	748	785	1 0008	1 0308	25
26	9478	9238	9038	9338	897	1 040	1 080	848	748	772	1 0108	1 0308	26
27	9478	9218	9018	9338	901	1 050	1 080	838	746	778	1 0108	1 0308	27
28	9488	9218	9008	9338	906	1 060	1 080	828	742	788	1 0208	1 0308	28
29	9488		8988	9338	912	1 070	1 040	826	739	800	1 0208	1 0308	29
30	9488		8978	9328	917	1 080	1 040	819	740	809	1 0208	1 0308	30
31	9488		8958		924		1 040	812		838A		1 0308	31
TOTAL	29 394	26 131	28 217	27 211	28 384	29 128	33 270	28 954	23 011	23 383	37 949	32 030	TOTAL
MEAN	948	933	910	907	912	971	1 070	934	767	754	932	1 030	MEAN
MAX	949	948	920	933	935	1 080	1 080	1 040	807	838	1 020	1 040	MAX
MIN	946	921	895	884	895	928	1 040	812	739	730	839	1 020	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 923
MAXIMUM DAILY, 1 090 ON JUL 1
MINIMUM DAILY, 730 ON OCT 10
MAXIMUM INSTANTANEOUS,
1 090 AT 17:05 CST ON JUL 14

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 40 N
LONG 97 53 30 W
DRAINAGE AREA, 18 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 540 000	JUL	2 870 000
FEB	2 280 000	AUG	2 500 000
MAR	2 440 000	SEP	1 990 000
APR	2 350 000	OCT	2 020 000
MAY	2 440 000	NOV	2 410 000
JUN	2 520 000	DEC	2 770 000

TOTAL DISCHARGE, 29 100 000 dam³

CADDY LAKE AT CADDY LAKE CAMPGROUND - STATION NO 05PC005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	318.347E	318.247	318.307E	318.285	318.192E	---	---	---	1
2	---	---	---	---	318.337E	318.244E	318.299	318.285E	318.188E	---	---	---	2
3	---	---	---	---	318.327E	318.242E	318.292E	318.285	318.184	---	---	---	3
4	---	---	---	---	318.317	318.239	318.285	318.285E	318.180	---	318.186	---	4
5	---	---	---	---	318.317E	318.233E	318.278E	318.285E	---	---	---	---	5
6	---	---	---	---	318.317	318.227	318.267	318.285	---	---	---	---	6
7	---	---	---	---	318.317E	318.336E	318.267E	318.280E	---	---	---	---	7
8	---	---	---	---	318.317	318.249	318.267E	318.255	---	---	---	---	8
9	---	---	---	---	318.303E	318.249E	318.267	318.259E	---	---	---	---	9
10	---	---	---	---	318.287	318.249E	318.263E	318.263	---	---	---	---	10
11	---	---	---	---	318.281E	318.249	318.259	318.259	---	---	---	---	11
12	---	---	---	---	318.275E	318.255E	318.262E	318.259E	---	---	---	---	12
13	---	---	---	---	318.268E	318.261	318.265	318.303	---	318.181	---	---	13
14	---	---	---	---	318.262	318.255E	318.265E	318.295E	---	---	---	---	14
15	---	---	---	---	318.255E	318.251	318.265E	318.289	---	---	---	---	15
16	---	---	---	---	318.247	318.246E	318.265	318.284E	---	---	---	---	16
17	---	---	---	---	318.237E	318.244E	318.282E	318.279	318.185	---	---	---	17
18	---	---	---	---	318.227	318.241	318.265	318.275E	---	---	---	---	18
19	---	---	---	---	318.234E	318.234E	318.265E	318.271E	---	---	---	---	19
20	---	---	---	---	318.240E	318.237	318.269	318.267	---	---	---	---	20
21	---	---	---	---	318.247	318.292E	318.274E	318.255E	---	---	---	---	21
22	---	---	---	---	318.237E	318.367	318.280E	318.245	---	---	---	---	22
23	---	---	---	---	318.227	318.356E	318.305	318.235E	---	---	---	---	23
24	---	318.185	---	---	318.227E	318.356E	318.303E	318.225	---	---	---	---	24
25	---	---	---	---	318.227	318.359	318.289	318.218E	---	---	---	---	25
26	---	---	---	---	318.232E	318.356E	318.285E	318.212E	---	---	---	---	26
27	---	---	---	---	318.236E	318.348	318.271	318.208	---	---	---	---	27
28	---	---	---	---	318.241	318.336E	318.267E	318.208E	318.185	---	---	---	28
29	---		---	---	318.247	318.327	318.263E	318.208	---	---	---	---	29
30	---		---	318.367	318.248	318.315	318.259	318.201E	---	---	---	---	30
31	---		---		318.248E		318.282E	318.197E		---		---	31
MEAN	---	---	---	---	318.289	318.278	318.274	318.254	---	---	---	---	MEAN
MAX	---	---	---	---	318.367	318.359	318.307	318.303	---	---	---	---	MAX
MIN	---	---	---	---	318.227	318.227	318.259	318.197	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 48 35 N
LONG 95 13 07 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA
198 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CEDAR LAKE NEAR OLESON POINT - STATION NO. 05XL005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.774E	255.143	254.474	254.259	254.804	255.136	255.236	255.298	255.373	255.444	255.539	255.668	1
2	255.767E	255.103	254.437	254.254	254.818	255.129	255.212	255.292	255.356	255.448	255.588	255.668	2
3	255.760E	255.080	254.405	254.226	254.818	255.179	255.226	255.271	255.383	255.451	255.553	255.667	3
4	255.753A	255.048	254.388	254.210	254.845	255.179	255.246	255.281	255.394	255.458	255.581	255.667	4
5	255.747	255.014	254.344	254.198	254.883	255.176	255.257	255.277	255.389	255.485	255.597	255.664	5
6	255.740A	254.985	254.323	254.186	254.872	255.171	255.268	255.297	255.381	255.488	255.582	255.668	6
7	255.731E	254.947	254.311	254.213	254.877	255.181	255.276	255.307	255.375	255.489	255.578	255.670	7
8	255.721E	254.918	254.322	254.223	254.887	255.184	255.298	255.319	255.380	255.482	255.587	255.672	8
9	255.712A	254.898	254.331	254.230	254.910	255.203	255.295	255.307	255.379	255.492	255.589	255.673	9
10	255.708	254.873	254.319	254.231	254.920	255.200	255.299	255.309	255.378	255.470	255.595	255.677	10
11	255.687	254.844	254.302	254.230	254.950	255.215	255.305	255.259	255.375	255.475	255.589	255.682	11
12	255.659	254.830	254.284	254.228	254.957	255.211	255.309	255.289	256.370	255.480	255.587	255.685	12
13	255.631	254.824	254.272	254.223	254.986	255.201	255.323	255.298	255.388	255.486	255.603	255.683	13
14	255.600	254.814	254.254	254.224	255.008	255.230	255.330	255.301	255.379	255.483	255.585	255.696	14
15	255.583	254.810	254.244	254.238	254.997	255.227	255.319	255.303	255.386	255.500	255.617	255.695	15
16	255.585	254.794	254.235	254.244	255.021	255.194	255.320	255.316	255.370	255.493	255.627	255.686	16
17	255.585	254.784	254.207	254.276	255.031	255.211	255.347	255.318	255.401	255.482	255.636	255.684	17
18	255.563	254.732	254.201	254.315	255.038	255.237	255.238	255.336	255.417	255.517	255.609	255.683	18
19	255.552	254.687	254.193	254.360	255.048	255.233	255.335	255.334	255.426	255.542	255.593	255.688	19
20	255.532	254.684	254.178	254.418	255.060	255.237	255.336	255.344	255.425	255.528	255.637	255.690	20
21	255.508	254.632	254.173	254.472	255.088	255.231	255.357	255.348	255.423	255.513	255.647	255.691	21
22	255.478	254.607	254.162	254.535	255.042	255.234	255.354	255.383	255.445	255.505	255.647	255.697	22
23	255.453	254.588	254.204	254.590	255.036	255.241	255.359	255.364	255.448	255.516	255.643	255.694	23
24	255.413	254.588	254.216	254.639	255.052	255.230	255.361	255.383	255.464	255.516	255.652	255.699	24
25	255.381	254.584	254.232	254.678	255.059	255.235	255.358	255.358	255.457	255.511	255.654	255.709	25
26	255.352	254.538	254.226	254.724	255.071	255.224	255.355	255.358	255.456	255.533	255.656	255.716	26
27	255.318	254.521	254.232	254.783	255.075	255.208	255.353	255.364	255.457	255.549	255.658	255.721	27
28	255.281	254.500	254.232	254.795	255.083	255.208	255.358	255.382	255.457	255.535	255.663	255.721	28
29	255.248		254.253	254.804	255.107	255.209	255.350	255.380	255.478	255.536	255.654	255.724	29
30	255.211		254.271	254.804	255.116	255.208	255.327	255.384	255.454	255.548	255.687	255.718	30
31	255.176		254.270		255.108		255.357	255.370		255.543		255.714	31
MEAN	255.583	254.795	254.273	254.383	254.984	255.205	255.314	255.324	255.405	255.496	255.615	255.690	MEAN
MAX	255.774	255.143	254.474	254.804	255.116	255.241	255.359	255.358	255.478	255.548	255.687	255.724	MAX
MIN	255.176	254.500	254.173	254.198	254.804	255.129	255.212	255.259	255.383	255.444	255.539	255.664	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 255.174
MAXIMUM DAILY, 255.774E ON JAN 1
MINIMUM DAILY, 254.173 ON MAR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 33 N
LONG 100 16 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1971 ADJ.)

CHILDS LAKE NEAR BOGGY CREEK - STATION NO 05MD005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.568E	1.626	1.686	1.686	1.731	---	1.654	1.618	---	---	1
2	---	---	1.568E	1.627	1.687	1.702	1.723	---	1.648	1.611	---	---	2
3	---	---	1.570A	1.629	1.684	1.709	1.715	---	1.647	1.608	---	---	3
4	---	---	1.584	1.632	1.685	1.712	1.714	---	1.643	1.613	---	---	4
5	---	---	1.598	1.633	1.683	1.711	1.725	---	1.640	1.621	---	---	5
6	---	---	1.610	1.635	1.683	1.712	1.738	1.711A	1.639	1.621	---	---	6
7	---	---	1.625	1.636	1.683	1.711	1.738	1.710	1.632	1.630	---	---	7
8	---	---	1.635	1.636	1.680	1.709	1.735	1.708	1.630	1.628	---	---	8
9	---	---	1.635	1.636	1.680	1.708	1.736	1.711	1.628	1.626	---	---	9
10	---	---	1.639	1.644	1.682	1.705	1.735	1.711	1.633	1.631	---	---	10
11	---	---	1.633	1.661	1.681	1.705	1.733	1.710	1.634	1.618	---	---	11
12	---	---	1.631	1.661	1.688	1.706	1.728	1.705	1.628	1.617	---	---	12
13	---	---	1.636	1.668	1.689	1.704	1.728	1.696	1.630	1.611	---	---	13
14	---	---	1.638	1.681	1.682	1.703	1.734	1.698	1.630	1.610	---	---	14
15	---	---	1.638	1.683	1.688	1.700	1.728	1.701	1.625	1.608	---	---	15
16	---	---	1.638	1.686	1.688	1.688	1.727	1.698	1.628	1.604	---	---	16
17	---	---	1.628	1.683	1.688	1.720	1.724	1.693	1.651	1.598	---	---	17
18	---	---	1.631	1.686	1.683	1.718	1.723	1.694	1.655	1.594	---	---	18
19	---	---	1.624	1.686	1.682	1.718	1.732	1.688	1.651	1.593	---	---	19
20	---	---	1.626	1.688	1.681	1.713	1.726	1.687	1.648	1.593	---	---	20
21	---	---	1.629	1.687	1.648	1.715	1.731	1.684	1.648	1.592	---	---	21
22	---	---	1.631	1.688	1.644	1.721	1.730A	1.680	1.640	1.590	---	---	22
23	---	---	1.629	1.688	1.641	1.733	---	1.678	1.640	1.588	---	---	23
24	---	---	1.632	1.688	1.648	1.728	---	1.673	1.640	1.583	---	---	24
25	---	---	1.638	1.673	1.652	1.733	---	1.672	1.636	1.580	---	---	25
26	---	---	1.627	1.672	1.654	1.718	---	1.672	1.638	1.584	---	---	26
27	---	---	1.628	1.671	1.657	1.718	---	1.668	1.631	1.583	---	---	27
28	---	---	1.628	1.671	1.673	1.718	---	1.668	1.631	1.578	---	---	28
29	---		1.626	1.670	1.683	1.715	---	1.663	1.628	1.578	---	---	29
30	---		1.627	1.668	1.684	1.712	---	1.661	1.631	1.578	---	---	30
31	---		1.630		1.683		---	1.657		1.578		---	31
MEAN	---	---	1.618	1.654	1.680	1.712	---	---	1.637	1.601	---	---	MEAN
MAX	---	---	1.632	1.673	1.686	1.733	---	---	1.655	1.629	---	---	MAX
MIN	---	---	1.586	1.627	1.641	1.698	---	---	1.631	1.578	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.738 ON JUL 7

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 37 N
LONG 101 01 54 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO 05BA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	786	---	---	---	908	890	789	778	716	---	---	---	1
2	788	---	---	---	914	879	786	777	720	---	---	---	2
3	788	---	---	---	923	875	787	776	718	---	---	---	3
4	788	---	---	---	932	878	790	777	720	---	---	---	4
5	789	---	---	---	933	880	788	777	725	---	---	---	5
6	788	---	---	---	938	882	782	774	728	---	---	---	6
7	781A	---	---	---	946	882	784	774	730	---	---	---	7
8	---	---	---	---	947	881	787	771	730	---	---	---	8
9	---	---	---	---	938	880	785	785	730	---	---	---	9
10	---	---	---	---	946	880	785	783	730	---	---	---	10
11	---	---	---	---	950	880	787	781	729	---	---	---	11
12	---	---	---	---	953	882	788	784	730	---	---	---	12
13	---	---	---	776A	947	878	789	783	733	---	---	---	13
14	---	---	---	776	946	888	788	782	732	---	---	---	14
15	---	---	---	776	947	883	789	789	730	---	---	---	15
16	---	---	---	779	937	882	786	758	733	---	---	---	16
17	---	---	---	782	936	857	781	756	731	---	---	---	17
18	---	---	---	785	938	848	781	751	730	---	---	---	18
19	---	---	---	788	938	845	780	747	730	---	---	---	19
20	---	---	---	795	918	841	779	748	731	---	---	---	20
21	---	---	---	805	918	838	777	740	736	---	---	---	21
22	---	---	---	813	920	833	777	736	731	---	---	---	22
23	---	---	---	820	915	830	771	733	726	---	---	---	23
24	---	---	---	830	910	834	788	731	733	---	---	---	24
25	---	---	---	840	908	830	770	728	---	---	---	---	25
26	---	---	---	853	903	817	770	728	---	---	---	---	26
27	---	---	---	866	897	814	775	727	---	---	---	---	27
28	---	---	---	874	887	807	776	735	---	---	---	---	28
29	---		---	884	884	803	773	732	---	---	---	---	29
30	---		---	895	885	801	775	715	---	---	---	---	30
31	---		---		885		778	717		---		---	31
TOTAL	---	---	---	---	28 827	25 619	24 247	23 289	---	---	---	---	TOTAL
MEAN	---	---	---	---	933	854	782	753	---	---	---	---	MEAN
MAX	---	---	---	---	953	890	789	778	---	---	---	---	MAX
MIN	---	---	---	---	884	801	768	715	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 953 ON MAY 13

MAXIMUM INSTANTANEOUS,
959 AT 17 35 CST ON MAY 13

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 00 N
LONG 100 27 30 W
DRAINAGE AREA, 230 000 km²
A - MANUAL GAUGE

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 090 000
FEB	---	AUG	2 010 000
MAR	---	SEP	---
APR	---	OCT	---
MAY	2 470 000	NOV	---
JUN	2 210 000	DEC	---

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO 06EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	885	886	858	858	935	1 040	899	815	751	741	730	784	1
2	888	883	858	857	946	1 040	859	802	750	741	738	786	2
3	887	886	853	855	957	1 040	839	818	742	741	739	787	3
4	889	885	858	852	988	1 050	891	819	750	738	737	789	4
5	875	882	859	854	978	1 040	882	812	752	737	737	791	5
6	875	881	858	852	982	1 030	879	808	752	732	738	793	6
7	877	888	859	853	980	1 020	878	804	756	732	739	795	7
8	878	889	859	852	1 000	1 010	882	804	752	727	741	797	8
9	878	889	857	850	1 000	1 000	873	804	752	740	742	799	9
10	878	888	858	859	1 010	987	871	798	753	735	743	802	10
11	878	887	857	852	1 020	980	872	796	753	729	745	804	11
12	875	884	856	854	1 020	982	887	806	754	729	747	806	12
13	878	885	855	855	1 030	973	883	803	755	738	748	809	13
14	880	883	855	849	1 030	988	858	791	754	729	750	811	14
15	877	885	855	851	1 040	985	857	785	752	728	752	812	15
16	878	885	857	850	1 040	958	858	788	752	727	753	813	16
17	878	884	855	848	1 040	987	853	786	753	728	755	813	17
18	873	883	855	850	1 040	982	851	783	752	730	758	813	18
19	874	883	857	848	1 030	958	848	779	751	730	780	815	19
20	874	882	857	854	1 030	951	848	775	758	723	782	820	20
21	871	882	859	854	1 050	940	843	772	759	721	784	818	21
22	870	881	860	859	1 050	941	840	769	757	721	786	817	22
23	870	882	860	853	1 050	948	832	769	753	725	788	818	23
24	870	884	859	859	1 040	946	828	763	754	738	789	818	24
25	870	884	856	878	1 040	938	828	762	751	730	771	817	25
26	870	883	856	888	1 040	931	821	780	748	730	773	819	26
27	870	883	860	897	1 030	921	824	767	750	727	775	819	27
28	887	882	860	908	1 030	917	827	758	752	728	777	818	28
29	888		858	917	1 030	912	818	762	747	726	778	818	29
30	887		856	928	1 030	907	819	758	744	729	782	820	30
31	887		857		1 030		820	753		727		822	31
TOTAL	27 093	23 977	26 575	26 909	31 504	29 232	26 517	24 351	22 558	22 836	22 838	25 043	TOTAL
MEAN	873	856	857	884	1 020	974	855	788	752	730	755	808	MEAN
MAX	888	889	860	928	1 050	1 050	899	819	759	741	782	822	MAX
MIN	865	881	853	849	935	907	818	753	742	720	730	784	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 844
MAXIMUM DAILY, 1 050 ON MAY 21
MINIMUM DAILY, 720 ON OCT 19

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 29 37 N
LONG 100 02 56 W
DRAINAGE AREA, 244 000 km²

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 340 000	JUL	2 290 000
FEB	2 070 000	AUG	2 100 000
MAR	2 300 000	SEP	1 950 000
APR	2 240 000	OCT	1 980 000
MAY	2 720 000	NOV	1 980 000
JUN	2 530 000	DEC	2 180 000

TOTAL DISCHARGE, 25 800 000 dam³

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO. 06FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1318	1218	1128	107	B	3588	453	391	133	161	203	---	---	1
2	1318	1198	1128	107	B	4018	446	369	128	183	191	---	---	2
3	1318	1168	1128	107	B	4408	449	349	132	191	185	---	---	3
4	1318	1168	1118	107	B	4888	456	327	136	202	186	---	---	4
5	1318	1158	1118	107	B	5218	457	307	143	226	188	---	---	5
6	1318	1148	1118	107	B	5738	451	288	148	248	187	---	---	6
7	1318	1138	1118	108	B	5988	431	273	146	273	184	---	---	7
8	1318	1138	1118	108	B	6268	412	273	147	293	184	---	---	8
9	1318	1138	1118	106	B	6568	392	272	143	326	181	---	---	9
10	1318	1138	1118	105	B	6638	377	278	141	346	179	---	---	10
11	1318	1138	1118	104	B	6738	358	278	138	346	178	---	---	11
12	1318	1138	1118	103	B	6738	341	278	138	348	177	---	---	12
13	1318	1138	1118	100	B	6708	327	271	132	346	177A	---	---	13
14	1318	1138	1118	95	08	6638	311	267	127	348	---	---	---	14
15	1318	1138	1118	89	08	6418	307	262	127	340	---	---	---	15
16	1318	1128	1118	87	08	5868	288	254	126	331	---	---	---	16
17	1318	1128	1118	86	08	5268	267	246	122	322	---	---	---	17
18	1318	1128	1118	86	08	4928	251	236	117	306	---	---	---	18
19	1318	1128	1118	86	08	4878	324	228	114	298	---	---	---	19
20	1318	1128	1118	86	08	4548	347	221	113	289	---	---	---	20
21	1318	1128	1108	92	08	4528	343	214	113	278	---	---	---	21
22	1308	1128	1108	98	08	488	333	204	110	268	---	---	---	22
23	1298	1128	1108	105	B	513	303	195	108	261	---	---	---	23
24	1298	1128	1098	116	B	541	286	186	110	251	---	---	---	24
25	1288	1128	1098	139	B	548	381	178	107	244	---	---	---	25
26	1288	1128	1098	180	B	588	430	186	106	236	---	---	---	26
27	1278	1128	1088	200	B	580	437	156	104	228	---	---	---	27
28	1268	1128	1088	232	B	538	446	153	105	219	---	---	---	28
29	1258		1088	288	B	498	428	148	106	210	---	---	---	29
30	1248		1078	301	B	475	412	144	122	208	---	---	---	30
31	1238		1078			480		138	137		---		---	31
TOTAL	4 018	3 178	3 418	3 708.8		18 822	11 278	7 848	3 880	8 139	---	---	---	TOTAL
MEAN	130	113	110	124		543	376	243	125	271	---	---	---	MEAN
MAX	131	121	112	301		673	457	391	148	348	---	---	---	MAX
MIN	123	113	107	86.0		388	287	138	104	181	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 6738 ON MAY 11

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 337 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	347 000	JUL	652 000
FEB	274 000	AUG	335 000
MAR	295 000	SEP	702 000
APR	320 000	OCT	---
MAY	1 450 000	NOV	---
JUN	974 000	DEC	---

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO 05FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	108 B	81.0B	78.6B	58.5B	193	153	130	74.7	73.4	83.1	1658	1518	1
2	108 B	81.0B	78.6B	58.0B	191	155	128	82.6	73.2	85.8	1688	1508	2
3	108 B	80.7B	78.6B	58.0B	195	152	127	88.9	72.1	84.8	1678	1498	3
4	108 B	80.5B	78.6B	58.0B	196	153	123	90.3	74.5	84.2	1678	1488	4
5	107 B	80.0B	78.6B	58.0B	196	151	121	89.7	79.7	84.5	1678	1478	5
6	107 B	79.5B	78.6B	57.6B	194	158	118	88.8	80.8	84.5	1678	1468	6
7	107 B	79.1B	78.6B	57.6B	193	153	116	87.7	83.6	85.4	1678	1458	7
8	107 B	79.1B	78.6B	56.7B	192	151	117	87.0	87.1	84.0	1668	1458	8
9	107 B	79.1B	78.6B	55.7B	188	150	118	86.7	88.0	83.7	1668	1448	9
10	107 B	79.1B	78.6B	54.8B	185	147	114	84.6	90.2	83.1	1658	1438	10
11	106 B	78.6B	78.6B	52.5B	180	143	112	81.5	91.7	82.0	1658	1418	11
12	106 B	78.6B	78.6B	50.7B	173	142	110	80.4	92.9	81.2	1658	1408	12
13	106 B	78.6B	78.1B	54.8B	169	140	109	78.0	93.5	81.4	1648	1398	13
14	105 B	78.6B	78.1B	56.5B	170	137	107	78.9	93.8	81.7	1648	1388	14
15	104 B	78.6B	78.1B	58.5B	187	134	106	74.8	93.9	82.0	1648	1388	15
16	104 B	78.6B	77.6B	58.5B	184	130	103	74.4	93.9	81.5	1638	1348	16
17	103 B	78.6B	77.6B	58.7B	183	128	102	74.9	93.6	83.0	1628	1248	17
18	100 B	78.6B	77.6B	59.4B	181	126	101	74.7	93.5	88.2	1618	1228	18
19	98.5B	78.6B	77.6B	61.1B	155	126	98.1	73.9	93.7	94.3	1618	1218	19
20	96.0B	78.1B	77.6B	64.6B	156	122	97.3	73.5	93.4	102	1608	1318	20
21	94.5B	78.1B	77.1B	61.0B	157	116	96.1	70.7	93.1	110	1598	1208	21
22	93.0B	78.1B	76.6B	103 B	156	115	95.2	68.4	91.2	116	1588	1188	22
23	91.0B	78.1B	78.1B	121 B	154	114	90.5	69.0	90.6	122	1578	1158	23
24	88.0B	78.1B	75.2B	144 B	154	125	90.0	67.8	91.7	130	1578	1148	24
25	88.5B	78.6B	73.7B	166	181	130	87.8	68.2	89.8	137	1588	1138	25
26	88.5B	78.6B	71.6B	171	181	133	85.2	65.2	87.6	143	1588	1138	26
27	85.5B	78.6B	71.3B	177	182	132	82.3	64.3	88.9	148	1558	1128	27
28	84.0B	78.6B	70.4B	185	183	132	80.7	63.2	88.5	151	1548	1128	28
29	83.0B		69.4B	190	183	131	79.3	64.8	83.7	155	1538	1118	29
30	82.0B		69.0B	194	184	131	78.0	71.0	64.3	160	1528	1118	30
31	81.5B		68.5B		183		78.8	75.4		161		1118	31
TOTAL	3 081.0	2 212.6	2 384.6	2 806.5	5 351	4 154	3 197.3	2 389.7	2 822.7	3 241.4	4 650	4 035	TOTAL
MEAN	99.7	79.0	76.3	93.6	173	138	103	76.4	87.4	105	162	130	MEAN
MAX	108	81.0	78.6	194	196	163	130	90.3	93.9	161	187	151	MAX
MIN	81.5	78.1	68.5	58.5	155	115	78.8	63.2	72.1	81.2	152	111	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 110
MAXIMUM DAILY 196 ON MAY 4
MINIMUM DAILY 58.5B ON APR 14
MAXIMUM INSTANTANEOUS
196 AT 17 00 CST ON MAY 4

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 00 N
LONG 98 47 30 W
DRAINAGE AREA 271 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	284 000	JUL	276 000
FEB	191 000	AUG	206 000
MAR	204 000	SEP	227 000
APR	242 000	OCT	280 000
MAY	462 000	NOV	419 000
JUN	359 000	DEC	348 000

TOTAL DISCHARGE 3 480 000 dam³

CLEARWATER LAKE AT GUY HILL - STATION NO 05KK003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.065	280.063	280.078	280.085	280.117	280.131	280.142	280.114	280.077	280.016	259.837	259.903	1
2	280.064	280.064	280.078	280.085	280.116	280.132	280.139	280.116	280.068	259.991	259.936	259.905	2
3	280.057	280.065	280.080	280.085	280.114	280.139	280.134	280.128	280.068	259.992	259.930	259.902	3
4	280.055	280.065	280.080	280.088	280.116	280.135	280.143	280.114	280.069	259.999	259.939	259.901	4
5	280.060	280.063	280.078	280.082	280.116	280.134	280.141	280.117	280.060	260.011	259.926	259.901	5
6	280.060	280.062	280.077	280.084	280.116	280.138	280.139	280.125	280.059	260.005	259.935	259.899	6
7	280.058	280.063	280.078	280.083	280.117	280.138	280.143	280.121	280.064	260.007	259.926	259.902	7
8	280.056	280.064	280.075	280.084	280.116	280.138	280.138	280.123	280.062	260.004	259.922	259.901	8
9	280.055	280.064	280.076	280.086	280.116	280.138	280.141	280.117	280.064	259.994	259.918	259.901	9
10	280.055	280.066	280.078	280.085	280.117	280.138	280.147	280.117	280.063	259.981	259.913	259.903	10
11	280.056	280.064	280.075	280.086	280.117	280.143	280.140	280.132	280.058	259.977	259.916	259.900	11
12	280.058	280.068	280.074	280.084	280.116	280.144	280.139	280.119	280.051	259.973	259.916	259.898	12
13	280.058	280.073	280.076	280.083	280.116	280.146	280.136	280.118	280.048	259.978	259.918	259.900	13
14	280.055	280.073	280.077	280.085	280.120	280.141	280.135	280.113	280.046	259.971	259.919	259.901	14
15	280.057	280.071	280.077	280.084	280.116	280.137	280.133	280.118	280.043	259.987	259.921	259.903	15
16	280.056	280.072	280.076	280.088	280.115	280.130	280.138	280.117	280.039	259.984	259.920	259.902	16
17	280.056	280.073	280.077	280.089	280.114	280.145	280.132	280.116	280.045	259.967	259.916	259.904	17
18	280.058	280.074	280.082	280.101	280.113	280.149	280.126	280.115	280.045	259.969	259.918	259.905	18
19	280.056	280.075	280.087	280.102	280.114	280.148	280.126	280.109	280.043	259.988	259.917	259.907	19
20	280.059	280.075	280.091	280.106	280.122	280.150	280.123	280.107	280.040	259.983	259.909	259.908	20
21	280.059	280.075	280.095	280.106	280.112	280.150	280.121	280.112	280.038	259.953	259.905	259.908	21
22	280.060	280.077	280.096	280.106	280.112	280.152	280.119	280.106	280.037	259.950	259.908	259.906	22
23	280.060	280.078	280.097	280.111	280.111	280.151	280.120	280.084	280.034	259.957	259.904	259.909	23
24	280.061	280.075	280.097	280.113	280.109	280.148	280.118	280.084	280.032	259.941	259.904	259.909	24
25	280.061	280.077	280.097	280.113	280.109	280.149	280.119	280.080	280.025	259.944	259.902	259.911	25
26	280.057	280.078	280.099	280.115	280.109	280.142	280.117	280.080	280.023	259.945	259.900	259.909	26
27	280.056	280.077	280.098	280.116	280.111	280.140	280.114	280.080	280.021	259.942	259.900	259.910	27
28	280.060	280.078	280.098	280.115	280.116	280.139	280.115	280.088	280.017	259.937	259.902	259.912	28
29	280.061		280.097	280.115	280.130	280.137	280.116	280.095	280.015	259.940	259.901	259.912	29
30	280.063		280.098	280.115	280.132	280.133	280.114	280.090	259.989	259.935	259.902	259.909	30
31	280.064		280.098		280.130		280.113	280.082		259.939		259.909	31
MEAN	280.058	280.070	280.085	280.102	280.117	280.141	280.130	280.109	280.045	259.970	259.916	259.905	MEAN
MAX	280.064	280.078	280.099	280.116	280.132	280.152	280.147	280.132	280.077	280.016	259.939	259.912	MAX
MIN	280.054	280.062	280.074	280.082	280.108	280.130	280.113	280.082	259.989	259.935	259.900	259.898	MIN

WATER LEVELS IN METRES

MEAN 280.084
MAXIMUM DAILY 280.152 ON JUN 22
MINIMUM DAILY 259.898 ON DEC 12
MAXIMUM INSTANTANEOUS
280.154 AT 09 44 CST ON JUN 25

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 55 N
LONG 101 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

COCHRANE RIVER NEAR BROCHET - STATION NO. 06DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1408	1358	1318	1288	195	222	260	200	147	127	126	1088	1
2	1408	1358	1318	1288	200	230	258	197	145	126	1248	1088	2
3	1408	1358	1318	1288	303	233	258	194	144	127	1238	1088	3
4	1408	1358	1318	1288	205	238	258	194	142	126	1228	1088	4
5	1408	1358	1308	1288	204	243	254	193	140	126	1218	1088	5
6	1408	1358	1308	1288	203	247	253	189	141	125	1218	1088	6
7	1408	1358	1308	1278	202	251	252	187	141	124	1208	1088	7
8	1398	1388	1308	1278	202	253	252	188	142	123	1198	1088	8
9	1398	1358	1308	1278	201	255	251	184	142	123	1198	1088	9
10	1398	1348	1308	1278	200	256	248	183	141	123	1188	1088	10
11	1388	1348	1308	1278	199	258	245	182	140	123	1178	1088	11
12	1388	1348	1308	1278	199	258	246	180	138	122	1178	1088	12
13	1388	1348	1308	1288	199	260	242	178	138	123	1178	1078	13
14	1388	1348	1308	1288	198	261	240	177	138	123	1168	1078	14
15	1388	1348	1288	1278	199	263	238	173	137	123	1168	1078	15
16	1388	1348	1288	1278	200	264	237	171	138	123	1158	1078	16
17	1388	1348	1288	1288	200	266	235	170	135	124	1148	1078	17
18	1388	1348	1288	1288	202	266	232	168	135	125	1148	1078	18
19	1378	1348	1288	1318	203	268	230	168	134	125	1138	1078	19
20	1378	1338	1288	1328	206	269	229	165	133	125	1138	1078	20
21	1378	1338	1288	1348	207	268	228	163	132	126	1128	1078	21
22	1378	1338	1288	1368	208	267	224	161	132	126	1128	1078	22
23	1378	1338	1288	1418	212	268	223	158	131	126	1118	1078	23
24	1368	1338	1288	1488	213	268	220	157	130	125	1118	1078	24
25	1368	1338	1288	155	215	268	218	156	129	127	1108	1078	25
26	1368	1338	1288	180	217	268	216	155	128	127	1108	1068	26
27	1368	1338	1288	186	218	268	214	153	128	128	1108	1068	27
28	1368	1328	1288	176	218	266	212	151	127	127	1108	1068	28
29	1358		1288	161	220	263	209	152	127	128	1098	1068	29
30	1358		1288	166	230	262	206	150	126	128	1088	1068	30
31	1358		1288		218		202	148		124		1068	31
TOTAL	4 274	3 751	4 016	4 140	6 388	7 720	7 285	5 343	4 082	3 873	3 488	3 328	TOTAL
MEAN	138	134	130	138	206	257	235	172	136	125	113	107	MEAN
MAX	140	135	131	188	220	269	260	200	147	128	128	108	MAX
MIN	135	133	128	128	195	222	202	148	126	122	105	106	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 158
MAXIMUM DAILY, 269 ON JUN 20
MINIMUM DAILY, 1068 ON DEC 26
MAXIMUM INSTANTANEOUS,
270 AT 13:10 CST ON JUN 20

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 00 N
LONG 101 23 45 W
DRAINAGE AREA, 28 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	369 000	JUL	629 000
FEB	324 000	AUG	462 000
MAR	347 000	SEP	353 000
APR	358 000	OCT	335 000
MAY	552 000	NOV	300 000
JUN	667 000	DEC	288 000

TOTAL DISCHARGE, 4 750 000 dam³

CONJURING CREEK NEAR RUSSELL - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.018	0.001	0	0.007	0	0.001	---	---	1
2	---	---	0B	0 B	0.010	0.001	0	0.004	0	0.001	---	---	2
3	---	---	0B	0 B	0.008	0.001	0	0.002	0	0.001	---	---	3
4	---	---	0B	0.1388	0.007	0.001	0	0.001	0	0.002	---	---	4
5	---	---	0B	0.8868	0.006	0.001	0	0.002	0	0.007	---	---	5
6	---	---	0B	2.18 B	0.004	0.001	0	0.007	0	0.008	---	---	6
7	---	---	0B	3.54 B	0.004	0.001	0	0.005	0	0.004	---	---	7
8	---	---	0B	5.18 B	0.004	0	0	0.003	0	0.004	---	---	8
9	---	---	0B	4.30 B	0.004	0	0	0.002	0	0.004	---	---	9
10	---	---	0B	3.48	0.003	0	0	0.004	0	0.003	---	---	10
11	---	---	0B	2.48	0.003	0	0	0.006	0	0.003	---	---	11
12	---	---	0B	1.87	0.003	0	0	0.005	0	0.003	---	---	12
13	---	---	0B	1.40	0.002	0	0.001	0.003	0	0.003	---	---	13
14	---	---	0B	1.01	0.002	0	0.014	0.001	0	0.002	---	---	14
15	---	---	0B	0.884	0.002	0	0.038	0.002	0	0.001	---	---	15
16	---	---	0B	0.582	0.001	0	0.024	0.002	0	0.001	---	---	16
17	---	---	0B	0.528	0.001	0	0.017	0.001	0	0.001	---	---	17
18	---	---	0B	0.464	0.001	0	0.013	0.001	0.002	0.001	---	---	18
19	---	---	0B	0.307	0.001	0	0.035	0.001	0.003	0.001	---	---	19
20	---	---	0B	0.196	0.001	0	0.032	0.001	0.002	0.001	---	---	20
21	---	---	0B	0.148	0.001	0	0.018	0	0.001	0.001	---	---	21
22	---	---	0B	0.103	0.001	0	0.016	0	0.001	0.001	---	---	22
23	---	---	0B	0.078	0.001	0	0.015	0	0	0.001	---	---	23
24	---	---	0B	0.066	0.001	0	0.012	0	0	0.001	---	---	24
25	---	---	0B	0.042	0.001	0	0.010	0	0	0.001	---	---	25
26	---	---	0B	0.038	0.001	0	0.009	0	0	0.004	---	---	26
27	---	---	0B	0.026	0.001	0	0.008	0	0	0.004	---	---	27
28	---	---	0B	0.026	0.001	0	0.007	0	0.003	0.004	---	---	28
29	---		0B	0.018	0.001	0	0.006	0	0.002	0.004	---	---	29
30	---		0B	0.018	0.001	0	0.008	0	0.001	0.004	---	---	30
31	---		0B		0.001		0.007	0		0.004		---	31
TOTAL	---	---	0	29.828	0.094	0.007	0.287	0.080	0.015	0.079	---	---	TOTAL
MEAN	---	---	0	0.994	0.003	0	0.009	0.002	0.001	0.003	---	---	MEAN
MAX	---	---	0	5.18	0.018	0.001	0.038	0.007	0.003	0.007	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0		0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.124
MAXIMUM DAILY, 5.18B ON APR 8
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 88.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	24.8
FEB	---	AUG	5.18
MAR	0	SEP	1.30
APR	2 580	OCT	6.83
MAY	5.12	NOV	---
JUN	0.60	DEC	---

TOTAL DISCHARGE, 2 630 dam³

COOKS CREEK AT COOKS CREEK - STATION NO. 05OJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.0139	0.314	0.292	---	0.069	0.184E	1.25	---	---	1
2	---	---	0.0108	0.8809	0.258	0.387	---	0.033	0.158E	1.25	---	---	2
3	---	---	0.0108	3.03 B	0.202	0.295	---	0.071	0.149E	1.24	---	---	3
4	---	---	0.0098	12.8 B	0.188	0.241	---	0.141	0.125E	1.24	---	---	4
5	---	---	0.0098	20.9 B	0.140	0.322	---	0.267	0.110E	1.30	---	---	5
6	---	---	0.0108	31.8 B	0.104	0.211	---	0.383	0.088E	1.27	---	---	6
7	---	---	0.0158	38.0 B	0.090	0.210	---	0.358	0.073E	1.25	---	---	7
8	---	---	0.0108	34.0 B	0.084	0.202	---	0.344	0.060E	1.23	---	---	8
9	---	---	0.0108	24.2	0.049	0.193	---	0.340	0.045E	1.23	---	---	9
10	---	---	0.0098	17.8	0.038	0.187	---	0.421	0.035E	1.21	---	---	10
11	---	---	0.0088	13.3	0.037	0.390	---	0.737	0.030E	1.21	---	---	11
12	---	---	0.0088	10.4	0.040	0.229	---	0.807	0.025E	1.28	---	---	12
13	---	---	0.0088	8.06	0.022	0.090	---	0.891	0.015E	1.23	---	---	13
14	---	---	0.0088	6.40	0.016	0.074	---	0.475	0.005E	1.21	---	---	14
15	---	---	0.0108	5.44	0.004	0.031	---	1.01	0	1.19	---	---	15
16	---	---	0.0128	4.67	0	0.006	---	1.47	0.925	1.19	---	---	16
17	---	---	0.0148	4.11	0	0.001	---	1.54	0.888	1.19	---	---	17
18	---	---	0.0188	3.16	0	0.0058	---	1.52	1.09	1.19	---	---	18
19	---	---	0.0208	2.37	0	---	---	0.924A	1.10	1.16	---	---	19
20	---	---	0.0238	1.74	0	---	---	0.820E	1.10	1.17	---	---	20
21	---	---	0.0258	1.28	0.008	---	---	0.880E	1.09	1.18	---	---	21
22	---	---	0.0228	0.961	0.052	---	---	0.510E	1.09	1.18	---	---	22
23	---	---	0.0208	0.724	0.072	---	0.027A	0.438E	1.10	1.20	---	---	23
24	---	---	0.0208	0.625	0.024	---	0.027E	0.393E	1.10	1.21	---	---	24
25	---	---	0.0188	0.544	0.040	---	0.027E	0.370E	1.11	1.23	---	---	25
26	---	---	0.0178	0.482	0.085	---	0.028E	0.350E	1.11	1.24	---	---	26
27	---	---	0.0158	0.413	0.146	---	0.028E	0.330E	1.14	1.24	---	---	27
28	---	---	0.0128	0.411	0.258	---	0.028E	0.310E	1.16	1.25	---	---	28
29	---		0.0108	0.360	0.257	---	0.025E	0.290E	1.19	1.29	---	---	29
30	---		0.0108	0.307	0.288	---	0.028E	0.250E	1.22	1.25	---	---	30
31	---		0.0108		0.321		0.025A	0.201E		1.26	---	---	31
TOTAL	---	---	0.412	248.830	3.127	---	---	18.461	17.815	38.06	---	---	TOTAL
MEAN	---	---	0.013	8.23	0.101	---	---	0.531	0.587	1.23	---	---	MEAN
MAX	---	---	0.025	38.0	0.321	---	---	1.54	1.33	1.30	---	---	MAX
MIN	---	---	0.008	0.013	0	---	---	0.033	0	1.17	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 38.08 ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 98 48 23 W
DRAINAGE AREA, 512 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	1 420
MAR	35.6	SEP	1 520
APR	21 300	OCT	3 280
MAY	270	NOV	---
JUN	---	DEC	---

COOKS CREEK NEAR EAST SELKIRK - STATION NO. 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0188	0.317	0 199	0	0 344	0	0	---	---	1
2	---	---	0 B	0.3888	0 258	0 110	0	0 070	0 034	0	---	---	2
3	---	---	0 B	3.00 B	0.262	0.050	0	0 142	0.023	0	---	---	3
4	---	---	0 B	15.0 B	0.315	0.048	0	0 100	0	0	---	---	4
5	---	---	0 B	28.4 B	0.188	0.088	0	0.032	0	0	---	---	5
6	---	---	0 B	43.7 B	0.154	0 126	0	1 70	0	0	---	---	6
7	---	---	0 B	55.3 B	0.138	0.089	0	0 650	0	0	---	---	7
8	---	---	0 B	58.8 A	0 100	0.005	0	0 339	0	0	---	---	8
9	---	---	0 B	39.8	0.048	0	0	0 132	0	0	---	---	9
10	---	---	0 B	26.5	0.031	0	0	0 023	0	0	---	---	10
11	---	---	0 B	18.7	0.015	0	0	0 020	0	0	---	---	11
12	---	---	0 B	14.8	0.007	0	0	0 044	0	0	---	---	12
13	---	---	0 B	11.6	0.009	0	0	0 017	0	0	---	---	13
14	---	---	0 B	9.38	0.001A	0	0	0 227	0	0	---	---	14
15	---	---	0 B	7.72	0	0	0	5 18	0	0	---	---	15
16	---	---	0 B	6.67	0	0	0	2 82	0	0	---	---	16
17	---	---	0 B	6.09	0	0	0	2 88	0	0	---	---	17
18	---	---	0.0028	5.42	0	0	0	2.35	0	0	---	---	18
19	---	---	0.0108	4.65	0	0	0	2 01	0	0	---	---	19
20	---	---	0.0258	3.88	0	0	0	1.67	0	0	---	---	20
21	---	---	0.0358	2.86	0	0	0	1.04	0	0	---	---	21
22	---	---	0.0308	1.77	0	0	0	0	0	0	---	---	22
23	---	---	0.0308	1.30	0	0	0	0	0	0	---	---	23
24	---	---	0.0288	0.789	0	0	0	0.484	0	0	---	---	24
25	---	---	0.0268	0.630	0	0	0	0.271	0	0	---	---	25
26	---	---	0.0248	0.542	0	0	0	0 121	0	0	---	---	26
27	---	---	0.0188	0.463	0	0	0	0 048	0	0	---	---	27
28	---	---	0.0158	0.383	0	0	0	0 017	0	0	---	---	28
29	---		0.0128	0.372	0	0	0	0 002	0	0	---	---	29
30	---		0.0108	0.380	0 035	0	0	0	0	0	---	---	30
31	---		0 0108		0 275		1 28	0		0		---	31
TOTAL	---	---	0 275	383.582	2.034	0.707	1.28	22.380	0 057	0	---	---	TOTAL
MEAN	---	---	0.009	12.1	0 065	0.024	0 042	0 722	0 002	0	---	---	MEAN
MAX	---	---	0 035	58.8	0.317	0 199	1 29	5 18	0.034	0	---	---	MAX
MIN	---	---	0	0.015	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 69
MAXIMUM DAILY, 58 8A ON APR 8
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 98 49 48 W
DRAINAGE AREA, 698 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	111
FEB	---	AUG	1 930
MAR	23 8	SEP	4 92
APR	31 400	OCT	0
MAY	176	NOV	---
JUN	81 1	DEC	---

TOTAL DISCHARGE, 33 700 dam³

COOKS CREEK NEAR GLASS - STATION NO. 05OJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0118 B	0.182	0.084	0.001	0.001	0.003	0.002	---	---	1
2	---	---	0 B	1.88 B	0.158	0.071	0.001	0.001	0.003	0.002	---	---	2
3	---	---	0 B	3.74 B	0.141	0.084	0.001	0.001	0.002	0.002	---	---	3
4	---	---	0 B	5.61 B	0.115	0.043	0.001	0.001	0.002	0.002	---	---	4
5	---	---	0 B	7.48 B	0.103	0.032	0.001	0.002	0.002	0.004	---	---	5
6	---	---	0 B	9.34 B	0.099	0.024	0.001	0.032	0.001	0.005	---	---	6
7	---	---	0 B	11.2 B	0.090	0.018	0.001	0.111	0.001	0.005	---	---	7
8	---	---	0 B	9.00	0.079	0.013	0.001	0.106	0.001	0.014	---	---	8
9	---	---	0 B	6.14	0.084	0.010	0.001	0.037	0.001	0.015	---	---	9
10	---	---	0 B	4.20	0.082	0.008	0	0.013	0.001	0.012	---	---	10
11	---	---	0 B	2.58	0.089	0.006	0.001	0.010	0.001	0.008	---	---	11
12	---	---	0 B	1.83	0.053	0.005	0.001	0.005	0.001	0.004	---	---	12
13	---	---	0 B	1.55	0.040	0.003	0.001	0.003	0.002	0.002	---	---	13
14	---	---	0 B	1.32	0.034	0.002	0.001	0.006	0.002	0.002	---	---	14
15	---	---	0 B	1.15	0.030	0.001	0.001	0.112	0.002	0.001	---	---	15
16	---	---	0 B	1.03	0.027	0.001	0.001	0.081	0.001	0.001	---	---	16
17	---	---	0 B	0.906	0.025	0.001	0.001	0.044	0.001	0.001	---	---	17
18	---	---	0 B	0.821	0.024	0.001	0.001	0.022	0.001	0.001	---	---	18
19	---	---	0 B	0.738	0.021	0.001	0.003	0.017	0.002	0.001	---	---	19
20	---	---	0.0055	0.666	0.020	0.001	0.003	0.017	0.002	0.001	---	---	20
21	---	---	0.0108	0.595	0.031	0.001	0.002	0.015	0.001	0.001	---	---	21
22	---	---	0.0118	0.531	0.054	0.001	0.002	0.014	0.001	0.0018	---	---	22
23	---	---	0.0128	0.480	0.085	0.001	0.002	0.014	0.001	0.0018	---	---	23
24	---	---	0.0138	0.423	0.085	0.001	0.001	0.012	0.001	0.002	---	---	24
25	---	---	0.0148	0.383	0.110	0.001	0.001	0.012	0.001	0.002	---	---	25
26	---	---	0.0158	0.347	0.110	0.001	0.001	0.011	0.001	0.002	---	---	26
27	---	---	0.0128	0.317	0.100	0.001	0.001	0.008	0.001	0.002	---	---	27
28	---	---	0.0108	0.271	0.086	0.001	0.001	0.008	0.001	0.001	---	---	28
29	---		0.0088	0.247	0.078	0.001	0.001	0.008	0.002	0.001	---	---	29
30	---		0.0068	0.220	0.072	0.001	0.001	0.005	0.002	0.001	---	---	30
31	---		0.0078		0.082		0.001	0.004		0.001		---	31
TOTAL	---	---	0.128	75.110	3.329	0.392	0.037	0.732	0.044	0.098	---	---	TOTAL
MEAN	---	---	0.004	2.50	0.075	0.013	0.001	0.024	0.001	0.003	---	---	MEAN
MAX	---	---	0.015	11.2	0.182	0.084	0.003	0.112	0.003	0.015	---	---	MAX
MIN	---	---	0	0.011	0.020	0.001	0	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.322
MAXIMUM DAILY, 11.2B ON APR 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 98 44 28 W
DRAINAGE AREA, 183 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.20
FEB	---	AUG	63.2
MAR	10.9	SEP	3.80
APR	6 490	OCT	8.47
MAY	201	NOV	---
JUN	33.9	DEC	---

TOTAL DISCHARGE, 6 810 dam³

CORMORANT LAKE AT CORMORANT - STATION NO. 05KK002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.577	256.546	256.497	256.445	256.473	256.521	256.517	256.472	256.347	256.249	256.149	256.103	1
2	256.581	256.542	256.490	256.444	256.474	256.527	256.535	256.485	256.331	256.248	256.163	256.097	2
3	256.581	256.542	256.489	256.441	256.476	256.518	256.530	256.482	256.337	256.248	256.162	256.097	3
4	256.582	256.538	256.491	256.440	256.478	256.523	256.528	256.482	256.339	256.246	256.171	256.096	4
5	256.582	256.538	256.490	256.439	256.476	256.524	256.524	256.482	256.329	256.252	256.161	256.097	5
6	256.575	256.536	256.486	256.437	256.480	256.524	256.522	256.483	256.334	256.249	256.148	256.096	6
7	256.576	256.535	256.483	256.438	256.487	256.528	256.533	256.447	256.332	256.236	256.144	256.096	7
8	256.576	256.534	256.477	256.438	256.478	256.534	256.534	256.446	256.334	256.222	256.145	256.103	8
9	256.573	256.536	256.472	256.433	256.486	256.537	256.529	256.431	256.330	256.236	256.136	256.100	9
10	256.571	256.531	256.474	256.431	256.486	256.536	256.518	256.416	256.323	256.230	256.143	256.096	10
11	256.572	256.530	256.472	256.428	256.473	256.544	256.528	256.431	256.320	256.227	256.138	256.095	11
12	256.573	256.524	256.467	256.426	256.475	256.542	256.525	256.443	256.314	256.233	256.144	256.096	12
13	256.575	256.525	256.468	256.428	256.475	256.552	256.522	256.428	256.307	256.258	256.131	256.096	13
14	256.588	256.521	256.469	256.429	256.487	256.552	256.519	256.419	256.312	256.214	256.115	256.095	14
15	256.583	256.525	256.466	256.432	256.475	256.546	256.518	256.418	256.301	256.210	256.137	256.092	15
16	256.583	256.524	256.466	256.436	256.477	256.538	256.520	256.420	256.303	256.210	256.140	256.086	16
17	256.586	256.520	256.466	256.440	256.477	256.536	256.510	256.417	256.306	256.204	256.132	256.092	17
18	256.587	256.518	256.469	256.442	256.475	256.583	256.508	256.412	256.307	256.198	256.132	256.090	18
19	256.589	256.519	256.473	256.442	256.482	256.582	256.501	256.409	256.306	256.185	256.124	256.093	19
20	256.580	256.516	256.475	256.445	256.482	256.596	256.511	256.407	256.302	256.182	256.115	256.088	20
21	256.587	256.517	256.479	256.447	256.473	256.550	256.505	256.399	256.301	256.170	256.118	256.088	21
22	256.589	256.514	256.475	256.450	256.473	256.581	256.505	256.390	256.298	256.174	256.115	256.087	22
23	256.582	256.514	256.474	256.450	256.473	256.584	256.502	256.391	256.290	256.185	256.105	256.087	23
24	256.551	256.507	256.472	256.454	256.474	256.580	256.492	256.382	256.286	256.186	256.108	256.083	24
25	256.549	256.503	256.469	256.457	256.477	256.549	256.489	256.378	256.286	256.189	256.110	256.086	25
26	256.553	256.503	256.467	256.461	256.481	256.546	256.483	256.375	256.277	256.172	256.109	256.090	26
27	256.551	256.497	256.462	256.463	256.478	256.546	256.484	256.371	256.276	256.156	256.104	256.084	27
28	256.548	256.496	256.458	256.472	256.474	256.541	256.483	256.371	256.273	256.152	256.107	256.083	28
29	256.551		256.453	256.469	256.508	256.537	256.480	256.372	256.262	256.154	256.105	256.085	29
30	256.547		256.452	256.474	256.505	256.529	256.475	256.386	256.253	256.149	256.101	256.080	30
31	256.548		256.451		256.512		256.475	256.380		256.149		256.074	31
MEAN	256.566	256.523	256.473	256.444	256.478	256.542	256.510	256.414	256.307	256.203	256.130	256.092	MEAN
MAX	256.582	256.546	256.497	256.474	256.512	256.596	256.535	256.472	256.347	256.258	256.171	256.103	MAX
MIN	256.548	256.496	256.451	256.428	256.486	256.516	256.475	256.380	256.253	256.149	256.101	256.074	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 256.389
MAXIMUM DAILY, 256.582 ON JAN 4
MINIMUM DAILY, 256.074 ON DEC 31
MAXIMUM INSTANTANEOUS,
256.587 AT 10:27 CST ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 38 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.587	207.567	207.378	206.987	206.717	206.182	206.875	206.958	206.023	206.817	207.003	206.818	1
2	207.581	207.552	207.373	206.978	206.671	206.082	206.871	206.987	206.026	206.826	206.976	206.836	2
3	207.555	207.540	207.372	206.971	206.627	206.083	206.861	206.983	206.031	206.877	206.985	206.854	3
4	207.567	207.533	207.388	206.972	206.583	206.032	206.834	206.923	206.080	206.915	206.986	206.858	4
5	207.546	207.529	207.358	206.971	206.584	205.988	206.914	206.882	206.085	206.888	207.026	206.881	5
6	207.544	207.523	207.353	206.973	206.583	205.987	206.928	206.888	206.081	206.850	207.012	206.888	6
7	207.542	207.520	207.337	206.970	206.577	205.988	206.923	206.904	206.078	206.868	207.014	206.898	7
8	207.538	207.512	207.326	206.971	206.503	205.931	206.910	206.908	206.114	206.877	207.021	206.904	8
9	207.535	207.502	207.316	206.976	206.533	205.912	206.928	206.919	206.148	206.874	206.982	206.904	9
10	207.532	207.484	207.303	206.973	206.514	205.884	206.958	206.905	206.188	206.918	206.958	206.911	10
11	207.529	207.486	207.288	206.987	206.488	205.888	206.971	206.928	206.173	206.884	206.937	206.912	11
12	207.525	207.477	207.273	206.988	206.478	205.905	206.938	206.922	206.184	206.878	206.933	206.911	12
13	207.518	207.474	207.258	206.988	206.488	205.878	206.930	206.888	206.155	206.886	206.928	206.909	13
14	207.508	207.468	207.238	206.988	206.484	205.848	206.948	206.888	206.188	206.822	206.928	206.905	14
15	207.507	207.483	207.224	206.968	206.455	205.838	206.957	206.922	206.241	206.877	206.938	206.894	15
16	207.508	207.480	207.203	206.954	206.438	205.887	206.958	206.940	206.248	206.712	206.934	206.888	16
17	207.512	207.483	207.188	206.948	206.448	205.842	206.968	206.932	206.258	206.717	206.930	206.882	17
18	207.520	207.447	207.178	206.974	206.383	205.830	206.981	206.914	206.310	206.738	206.891	206.881	18
19	207.531	207.442	207.183	206.954	206.398	205.834	206.978	206.921	206.296	206.783	206.850	206.898	19
20	207.542	207.435	207.147	207.000	206.431	205.825	206.976	206.925	206.299	206.793	206.780	206.858	20
21	207.548	207.424	207.130	206.984	206.428	205.848	206.983	206.918	206.308	206.788	206.871	206.855	21
22	207.553	207.414	207.108	206.948	206.378	205.858	206.974	206.922	206.325	206.810	206.933	206.884	22
23	207.581	207.404	207.092	206.942	206.368	205.850	206.982	206.912	206.384	206.842	206.841	206.873	23
24	207.588	207.387	207.073	206.933	206.372	205.868	206.978	206.901	206.389	206.821	206.885	206.892	24
25	207.578	207.380	207.054	206.918	206.374	205.888	206.977	206.864	206.389	206.788	206.890	206.906	25
26	207.584	207.384	207.037	206.906	206.320	205.902	206.974	206.851	206.444	206.856	206.720	206.919	26
27	207.584	207.378	207.029	206.885	206.312	205.878	206.975	206.886	206.444	206.916	206.742	206.927	27
28	207.581	207.378	207.018	206.811	206.336	205.862	206.970	206.986	206.469E	206.936	206.758	206.922	28
29	207.580		207.008	206.773	206.310	205.869	206.978	206.921	206.479A	206.940	206.780	206.917	29
30	207.574		207.000	206.726	206.246	205.870	206.986	206.932	206.500	206.878	206.800	206.908	30
31	207.587		206.993		206.237		206.976	206.038		206.877		206.910	31
MEAN	207.547	207.466	207.200	206.941	206.452	205.911	206.947	206.938	206.243	206.703	206.889	206.889	MEAN
MAX	207.584	207.557	207.378	207.000	206.717	206.182	206.988	206.038	206.500	206.877	207.026	206.927	MAX
MIN	207.507	207.378	206.993	206.726	206.237	205.820	206.834	206.885	206.023	206.477	206.633	206.818	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN, 206.871
MAXIMUM DAILY, 207.584 ON JAN 25
MINIMUM DAILY, 206.820 ON JUN 18
MAXIMUM INSTANTANEOUS,
207.587 AT 12:12 CST ON JAN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

CRYSTAL CREEK ABOVE CRYSTAL CITY DAM - STATION NO. 05OB001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	451.704	451.704	451.579	451.448E	451.822E	451.528E	451.479E	---	1
2	---	---	---	---	451.704E	451.707E	451.559E	451.437E	451.814	451.527	451.479	---	2
3	---	---	---	---	451.704E	451.709	451.539	451.429	451.808E	451.528E	451.467E	---	3
4	---	---	---	---	451.704	451.713E	451.538E	451.427E	451.804	451.525E	451.454	---	4
5	---	---	---	---	451.699E	451.714	451.532E	451.424	451.804E	451.524	451.448E	---	5
6	---	---	---	452.333	451.694	451.718E	451.529	451.419E	451.804E	451.517E	451.444	---	6
7	---	---	---	452.154E	451.687E	451.717E	451.529E	451.414	451.804	451.508	---	---	7
8	---	---	---	451.974	451.679	451.719	451.529	451.414E	451.802E	451.508E	---	---	8
9	---	---	---	451.802E	451.679E	451.713E	451.529E	451.414E	451.579	451.509	---	---	9
10	---	---	---	451.629	451.679E	451.704	451.529	451.414	451.582E	451.508E	---	---	10
11	---	---	---	451.533E	451.679	451.698E	451.529E	451.413E	451.544	451.508E	---	---	11
12	---	---	---	451.518E	451.679E	451.694	451.529E	451.412	451.542E	451.509	---	---	12
13	---	---	---	451.509	451.679	451.691E	451.529	451.403E	451.541E	451.507E	---	---	13
14	---	---	---	451.794E	451.667E	451.688E	451.529E	451.514	451.539	451.504	---	---	14
15	---	---	---	451.770	451.654	451.685	451.525	451.517E	451.534E	451.502E	---	---	15
16	---	---	---	451.784E	451.654E	451.672E	451.523E	451.521E	451.529	451.499	---	---	16
17	---	---	---	451.749	451.654E	451.659	451.519	451.524	451.529E	451.499E	---	---	17
18	---	---	---	451.749E	451.654	451.644E	451.531E	451.552E	451.529	451.499E	---	---	18
19	---	---	---	451.749E	451.654E	451.629	451.542E	451.579	451.529E	451.499	---	---	19
20	---	---	---	451.749	451.654	451.629E	451.554	451.582E	451.529E	451.497E	---	---	20
21	---	---	---	451.739E	451.702	451.629E	451.549E	451.584	451.529	451.494	---	---	21
22	---	---	---	451.729	451.704	451.629	451.544	451.584E	451.528E	451.492E	---	---	22
23	---	451.100	---	451.729E	451.704E	451.627E	451.537E	451.584E	451.529	451.488	---	---	23
24	---	---	---	451.727	451.704E	451.624	451.529	451.584	451.529E	451.488E	---	---	24
25	---	---	---	451.729E	451.704	451.614E	451.524E	451.594E	451.529	451.488E	---	---	25
26	---	---	---	451.725E	451.702E	451.604	451.518E	451.604	451.529E	451.489	---	---	26
27	---	---	---	451.724	451.699	451.602E	451.514	451.617E	451.529E	451.487E	---	---	27
28	---	---	---	451.724E	451.702E	451.601E	451.497E	451.629	451.529	451.484	---	---	28
29	---		---	451.724	451.704	451.599	451.479	451.629E	451.529E	451.482E	---	---	29
30	---		---	451.714E	451.704E	451.589E	451.467E	451.629E	451.529	451.479	---	---	30
31	---		---		451.704E		451.454	451.629		451.479E	---	---	31
MEAN	---	---	---	---	451.687	451.684	451.525	451.516	451.554	451.502	---	---	MEAN
MAX	---	---	---	---	451.704	451.719	451.579	451.629	451.622	451.528	---	---	MAX
MIN	---	---	---	---	451.654	451.589	451.454	451.412	451.529	451.479	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 39 N
LONG 98 57 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA,
159 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO 05080005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0.0278	0.025	0.023	0	0	0.001	0.001	---	---	1
2	---	---	0 E	0.0648	0.021	0.017	0	0	0.001	0	---	---	2
3	---	---	0 E	1.54 E	0.021	0.014	0	0	0	0	---	---	3
4	---	---	0 E	5.51 E	0.022	0.012	0	0	0	0	---	---	4
5	---	---	0 E	13.3 E	0.018	0.011	0	0	0	0	---	---	5
6	---	---	0 E	12.1	0.017	0.008	0	0	0	0	---	---	6
7	---	---	0 E	8.50	0.015	0.005	0	0	0	0	---	---	7
8	---	---	0 E	3.40	0.014	0.004	0	0	0	0	---	---	8
9	---	---	0 E	1.73	0.013	0.003	0	0	0	0	---	---	9
10	---	---	0 E	1.08	0.012	0.003	0	0	0	0	---	---	10
11	---	---	0 E	0.788	0.012	0.004	0	0	0	0	---	---	11
12	---	---	0 E	0.622	0.012	0.003	0	0	0	0	---	---	12
13	---	---	0 E	0.423	0.011	0.003	0	0	0	0	---	---	13
14	---	---	0 E	0.323	0.009	0.002	0	0	0	0	---	---	14
15	---	---	0 E	0.258	0.005	0.001	0	0.002	0	0	---	---	15
16	---	---	0 E	0.207	0.006	0	0	0.001	0	0	---	---	16
17	---	---	0 E	0.173	0.006	0	0	0.001	0	0	---	---	17
18	---	---	0 E	0.132	0.005	0	0	0.001	0.001	0	---	---	18
19	---	---	0 E	0.100	0.007	0	0	0.001	0.001	0	---	---	19
20	---	---	0 E	0.079	0.010	0	0	0.021	0.001	0	---	---	20
21	---	---	0 E	0.077	0.012	0	0	0.035	0	0	---	---	21
22	---	---	0 E	0.058	0.012	0	0	0.013	0	0	---	---	22
23	---	---	0 E	0.036	0.012	0	0	0.010	0	0	---	---	23
24	---	---	0 E	0.037	0.012	0	0	0.004	0	0	---	---	24
25	---	---	0 E	0.039	0.012	0	0	0.003	0	0	---	---	25
26	---	---	0 E	0.035	0.014	0	0	0.003	0	0	---	---	26
27	---	---	0 E	0.031	0.017	0	0	0.003	0	0	---	---	27
28	---	---	0 E	0.032	0.021	0	0	0.002	0	0	---	---	28
29	---		0 E	0.027	0.018	0	0	0.002	0.001	0	---	---	29
30	---		0 E	0.028	0.014	0	0	0.001	0.001	0	---	---	30
31	---		0.0068		0.018		0	0.001		0		---	31
TOTAL	---	---	0.006	48.788	0.422	0.113	0	0.104	0.007	0.001	---	---	TOTAL
MEAN	---	---	0	1.63	0.014	0.004	0	0.003	0	0	---	---	MEAN
MAX	---	---	0.006	13.3	0.025	0.023	0	0.035	0.001	0.001	---	---	MAX
MIN	---	---	0	0.027	0.005	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.202
MAXIMUM DAILY 13.30 ON APR 5
MINIMUM DAILY 0.005 ON MAR 1
MAXIMUM INSTANTANEOUS
24.40 AT 18.44 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 28 N
LONG 98 58 28 W
DRAINAGE AREA 154 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	6.88
MAR	0.52	SEP	0.60
APR	4 210	OCT	0.09
MAY	38.5	NOV	---
JUN	9.78	DEC	---

TOTAL DISCHARGE 4 270 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO 05080010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0.4128	0.052	0.002	0	0	0	0.001	---	---	1
2	---	---	0 E	0.4878	0.047	0	0	0	0	0	---	---	2
3	---	---	0 E	2.88 E	0.044	0	0	0	0	0	---	---	3
4	---	---	0 E	12.6 E	0.040	0	0	0	0	0	---	---	4
5	---	---	0 E	28.3 E	0.035	0	0	0	0	0	---	---	5
6	---	---	0 E	30.6 E	0.029	0	0	0	0	0	---	---	6
7	---	---	0 E	21.9 E	0.023	0	0	0	0	0	---	---	7
8	---	---	0 E	13.2	0.022	0	0	0	0	0	---	---	8
9	---	---	0 E	8.58	0.015	0	0	0	0	0	---	---	9
10	---	---	0 E	5.75	0.013	0	0	0	0	0	---	---	10
11	---	---	0 E	3.92	0.013	0	0	0	0	0	---	---	11
12	---	---	0 E	2.67	0.010	0	0	0	0	0	---	---	12
13	---	---	0 E	1.90	0.010	0	0	0	0	0	---	---	13
14	---	---	0 E	1.30	0.007	0	0	0.009	0	0	---	---	14
15	---	---	0 E	0.895	0.006	0	0	0.015	0	0	---	---	15
16	---	---	0 E	0.619	0.005	0	0	0.003	0	0	---	---	16
17	---	---	0 E	0.388	0.003	0	0	0	0	0	---	---	17
18	---	---	0 E	0.305	0.003	0	0	0	0	0	---	---	18
19	---	---	0 E	0.250	0.002	0	0	0	0	0	---	---	19
20	---	---	0 E	0.199	0.005	0	0	0	0	0	---	---	20
21	---	---	0 E	0.180	0.012	0	0	0	0	0	---	---	21
22	---	---	0 E	0.143	0.008	0	0	0	0	0	---	---	22
23	---	---	0 E	0.122	0.004	0	0	0	0.006	0	---	---	23
24	---	---	0 E	0.112	0.003	0	0	0	0.026	0	---	---	24
25	---	---	0 E	0.102	0.002	0	0	0	0.007	0	---	---	25
26	---	---	0.0778	0.088	0.003	0	0	0	0.002	0.001	---	---	26
27	---	---	0.3888	0.074	0.008	0	0	0	0.001	0.001	---	---	27
28	---	---	0.2518	0.070	0.010	0	0	0	0.005	0.001	---	---	28
29	---		0.0478	0.062	0.007	0	0	0	0.004	0	---	---	29
30	---		0.0368	0.055	0.005	0	0	0	0.002	0	---	---	30
31	---		0.0398		0.003		0	0		0		---	31
TOTAL	---	---	0.636	138.336	0.446	0.002	0	0.028	0.052	0.004	---	---	TOTAL
MEAN	---	---	0.027	4.61	0.014	0	0	0.001	0.002	0	---	---	MEAN
MAX	---	---	0.388	30.6	0.052	0.002	0	0.015	0.026	0.001	---	---	MAX
MIN	---	---	0	0.055	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.570
MAXIMUM DAILY 30.60 ON APR 6
MINIMUM DAILY 0.002 ON MAR 1
MAXIMUM INSTANTANEOUS
38.39 AT 01.33 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 98 56 54 W
DRAINAGE AREA 388 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	2.42
MAR	72.2	SEP	4.49
APR	11 900	OCT	0.35
MAY	38.5	NOV	---
JUN	0.17	DEC	---

TOTAL DISCHARGE 12 000 dam³

CYPRESS CREEK NEAR SARLES - STATION NO 05080031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0 008	0	0	0	0 012	0 002	0	0	1
2	0	0	0	0	0 004	0	0	0	0 008	0 002	0	0	2
3	0	0	0	0 0578	0 003	0	0	0	0 007	0 001	0	0	3
4	0	0	0	0 7088	0 003	0	0	0	0 007	0 001	0	0	4
5	0	0	0	13 8 E	0 003	0	0	0	0 007	0 001	0	0	5
6	0	0	0	13 3	0 002	0	0	0	0 006	0 001	0	0	6
7	0	0	0	10 8	0 001	0	0	0	0 006	0 001	0	0	7
8	0	0	0	8 63	0 001	0	0	0	0 005	0	0	0	8
9	0	0	0	6 19	0	0	0	0	0 005	0	0	0	9
10	0	0	0	3 06	0	0	0	0	0 005	0	0	0	10
11	0	0	0	2 27	0	0	0	0	0 005	0	0	0	11
12	0	0	0	1 58	0	0	0	0	0 005	0	0	0	12
13	0	0	0	0 863	0	0	0	0	0 005	0	0	0	13
14	0	0	0	0 595	0	0	0	0 001	0 005	0	0	0	14
15	0	0	0	0 425	0	0	0	0 007	0 005	0	0	0	15
16	0	0	0	0 232	0	0	0	0 004	0 004	0	0	0	16
17	0	0	0	0 127	0	0	0	0 006	0 004	0	0	0	17
18	0	0	0	0 088	0	0	0	0 009	0 004	0	0	0	18
19	0	0	0	0 081	0	0	0	0 031	0 004	0	0	0	19
20	0	0	0	0 082	0	0	0	0 018	0 004	0	0	0	20
21	0	0	0	0 058	0	0	0	0 014	0 003	0	0	0	21
22	0	0	0	0 040	0	0	0	0 037	0 003	0	0	0	22
23	0	0	0	0 031	0	0	0	0 082	0 003	0	0	0	23
24	0	0	0	0 031	0	0	0	0 068	0 003	0	0	0	24
25	0	0	0	0 027	0	0	0	0 059	0 002	0	0	0	25
26	0	0	0	0 020	0	0	0	0 093	0 002	0	0	0	26
27	0	0	0	0 018	0	0	0	0 084	0 002	0	0	0	27
28	0	0	0	0 013	0	0	0	0 054	0 002	0	0	0	28
29	0		0	0 011	0	0	0	0 028	0 002	0	0	0	29
30	0		0	0 008	0	0	0	0 019	0 002	0	0	0	30
31	0		0		0		0	0 014		0		0	31
TOTAL	0	0	0	59 473	0 023	0	0	0 909	0 138	0 009	0	0	TOTAL
MEAN	0	0	0	1 98	0 001	0	0	0 029	0 005	0	0	0	MEAN
MAX	0	0	0	13 8	0 008	0	0	0 093	0 012	0 002	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0 002	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 185
MAXIMUM DAILY 13 98 ON APR 5
MINIMUM DAILY 0 ON JAN 1
MAXIMUM INSTANTANEOUS
17 28 AT 14 00 CST ON APR 5

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 56 35 N
LONG 98 57 05 W
DRAINAGE AREA 149 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	52 5
MAR	0	SEP	11 9
APR	5 140	OCT	0 78
MAY	1 99	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE 5 210 dam³

CYPRESS RIVER NEAR BRUXELLES - STATION NO 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 0348	0 1728	0 248	0 050	0	0	0 014	0 072	---	---	1
2	---	---	0 0348	0 2338	0 217	0 049	0	0	0 010	0 029	---	---	2
3	---	---	0 0348	1 59 E	0 211	0 047	0	0	0 008	0 018	---	---	3
4	---	---	0 0348	3 05 E	0 189	0 045	0	0	0 008	0 015	---	---	4
5	---	---	0 0348	21 5 E	0 174	0 044	0	0	0 007	0 018	---	---	5
6	---	---	0 0348	35 5	0 148	0 042	0	0	0 007	0 026	---	---	6
7	---	---	0 0348	26 5	0 161	0 040	0	0	0 006	0 078	---	---	7
8	---	---	0 0348	17 3	0 162	0 038	0	0	0 006	0 188	---	---	8
9	---	---	0 0348	12 1	0 245	0 036	0	0	0 005	0 100	---	---	9
10	---	---	0 0348	8 56	0 184	0 038	0	0	0 006	0 057	---	---	10
11	---	---	0 0348	6 33	0 100	0 033A	0	0	0 006	0 042	---	---	11
12	---	---	0 0348	4 76	0 071	0 016E	0	0	0 007	0 080	---	---	12
13	---	---	0 0348	3 66	0 066	0 005E	0	0	0 007	0 042	---	---	13
14	---	---	0 0348	2 90	0 061	0 001E	0	0 706A	0 008	0 027	---	---	14
15	---	---	0 0349	2 37	0 055	0	0	2 76	0 007	0 018	---	---	15
16	---	---	0 0348	1 93	0 052	0	0	3 23	0 007	0 023	---	---	16
17	---	---	0 0348	1 57	0 043	0	0	1 89	0 011	0 024	---	---	17
18	---	---	0 0358	1 30	0 054	0	0	1 58	0 013	0 041	---	---	18
19	---	---	0 0368	1 03	0 054	0	0	1 16	0 011	0 040	---	---	19
20	---	---	0 0378	0 828	0 055	0	0	0 874	0 010	0 038	---	---	20
21	---	---	0 0408	0 738	0 053	0	0	0 816	0 009	0 035	---	---	21
22	---	---	0 0468	0 636	0 051A	0	0	0 651	0 008	0 049	---	---	22
23	---	---	0 0878	0 533	0 048E	0	0	0 295	0 008	0 089	---	---	23
24	---	---	0 1528	0 463	0 046E	0	0	0 182	0 008	0 116	---	---	24
25	---	---	0 1728	0 418	0 044E	0	0	0 135	0 008	0 072	---	---	25
26	---	---	0 1878	0 385	0 040E	0	0	0 099	0 008	0 076	---	---	26
27	---	---	0 2358	0 338	0 038A	0	0	0 073	0 008	0 081	---	---	27
28	---	---	0 0448	0 297	0 051	0	0	0 050	0 028	0 187	---	---	28
29	---	---	0 0298	0 278	0 053	0	0	0 038	0 041	0 181	---	---	29
30	---	---	0 0258	0 267	0 052	0	0	0 029	0 062	0 086	---	---	30
31	---	---	0 0488		0 050		0	0 019		0 049		---	31
TOTAL	---	---	1 815	157 537	3 128	0 483	0	14 267	0 351	1 923	---	---	TOTAL
MEAN	---	---	0 059	5 25	0 101	0 016	0	0 461	0 012	0 062	---	---	MEAN
MAX	---	---	0 235	35 5	0 248	0 050	0	3 23	0 062	0 187	---	---	MAX
MIN	---	---	0 025	0 172	0 039	0	0	0	0 005	0 015	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 733
MAXIMUM DAILY 35 5 ON APR 6
MINIMUM DAILY 0 ON JUN 15
MAXIMUM INSTANTANEOUS
44 7 AT 10 45 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 46 N
LONG 98 54 25 W
DRAINAGE AREA 255 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	1 230
MAR	157	SEP	30 3
APR	13 800	OCT	188
MAY	270	NOV	---
JUN	41 7	DEC	---

TOTAL DISCHARGE 15 500 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO 05MH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0378	3.99 B	0.416	0.085	0.008	0.040	0.093	0.083	---	---	1
2	---	---	0.0378	4.55 B	0.281	0.091	0.007	0.044	0.070	0.082	---	---	2
3	---	---	0.0378	4.99 B	0.401	0.078	0.005	0.042	0.087	0.086	---	---	3
4	---	---	0.0378	5.08 B	0.383	0.086	0.003	0.037	0.088	0.107	---	---	4
5	---	---	0.0378	14.1 B	0.845	0.082	0.002	0.041	0.058	0.111	---	---	5
6	---	---	0.0378	32.2 A	0.302	0.083	0.002	0.048	0.051	0.117	---	---	6
7	---	---	0.0378	35.2	0.233	0.108	0.002	0.043	0.032	0.101	---	---	7
8	---	---	0.0378	26.6	0.241	0.087	0.003	0.033	0.017	0.078	---	---	8
9	---	---	0.0378	18.9	0.281	0.084	0.008	0.032	0.058	0.073	---	---	9
10	---	---	0.0378	15.0	0.417	0.060	0.034	0.041	0.081	0.074E	---	---	10
11	---	---	0.0378	11.4	0.388	0.088	0.108	0.052	0.052	0.072E	---	---	11
12	---	---	0.0378	8.48	0.311	0.049	0.020	0.068	0.085	0.071E	---	---	12
13	---	---	0.0378	6.40	0.303	0.037	0.007	0.077	0.059	0.070E	---	---	13
14	---	---	0.0378	5.10	0.383	0.032	0.007	0.202	0.058	0.069E	---	---	14
15	---	---	0.0378	4.17	0.238	0.025	0.009	4.86	0.060	0.068E	---	---	15
16	---	---	0.0378	3.46	0.218	0.018	0.008	4.14	0.060	0.068E	---	---	16
17	---	---	0.0378	2.95	0.201	0.018	0.003	3.08	0.081	0.068E	---	---	17
18	---	---	0.0388	2.58	0.181	0.015	0.003	1.81	0.072	0.070E	---	---	18
19	---	---	0.0428	2.33	0.171	0.012	0.044	1.46	0.085	0.071E	---	---	19
20	---	---	0.0808	1.98	0.162	0.011	0.048	1.25	0.075	0.072E	---	---	20
21	---	---	0.0858	1.85	0.179	0.010	0.037	1.58	0.083	0.074E	---	---	21
22	---	---	0.1008	1.48	0.159	0.006	0.025	0.913	0.055	0.075E	---	---	22
23	---	---	0.3348	1.30	0.129	0.008	0.024	0.882	0.055	0.074E	---	---	23
24	---	---	1.42 B	1.17	0.129	0.005	0.037	0.579	0.042	0.077E	---	---	24
25	---	---	3.59 B	0.987	0.124	0.005	0.031	0.467	0.030	0.110E	---	---	25
26	---	---	4.30 B	0.875	0.120	0.004	0.031	0.398	0.021	0.082E	---	---	26
27	---	---	2.82 B	0.786	0.128	0.004	0.038	0.332	0.018	0.108E	---	---	27
28	---	---	2.21 B	0.688	0.142	0.005	0.038	0.269	0.041	0.209E	---	---	28
29	---		2.19 B	0.853	0.128	0.008	0.031	0.241	0.079	0.163E	---	---	29
30	---		2.21 B	0.498	0.095	0.008	0.036	0.181	0.078	0.151E	---	---	30
31	---		2.52 B		0.084		0.038	0.117		0.150E		---	31
TOTAL	---	---	22.518	223.349	7.988	1.103	0.883	23.317	1.889	2.678	---	---	TOTAL
MEAN	---	---	0.726	7.44	0.247	0.037	0.022	0.752	0.086	0.093	---	---	MEAN
MAX	---	---	4.30	35.2	0.845	0.108	0.105	4.86	0.093	0.209	---	---	MAX
MIN	---	---	0.037	0.459	0.084	0.004	0.002	0.032	0.017	0.063	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 35.2 ON APR 7
MINIMUM DAILY, 0.002 ON JUL 5
MAXIMUM INSTANTANEOUS,
35.3 AT 00 05 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 31 N
LONG 99 02 00 W
DRAINAGE AREA, 289 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	59.0
FEB	---	AUG	2 010
MAR	1 950	SEP	146
APR	19 300	OCT	248
MAY	882	NOV	---
JUN	95.3	DEC	---

TOTAL DISCHARGE, 24 500 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO 05LJ015

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.581	280.430	280.340	280.348	280.275	280.465	280.252E	---	1
2	---	---	---	---	280.541E	280.595	280.425	280.415	280.185	280.205	280.275	---	2
3	---	---	---	---	280.521	280.465	280.355	280.415	280.170	280.210	280.185	---	3
4	---	---	---	---	280.581	280.475	280.335	280.335	280.150	280.278E	280.175E	---	4
5	---	---	---	---	280.681	280.486	280.310E	280.273	280.225	280.345	280.185	---	5
6	---	---	---	---	280.691	280.405	280.285	280.310	280.210E	280.255	280.170E	---	6
7	---	---	---	---	280.548	280.420E	280.335	280.305	280.195	280.205	280.175E	---	7
8	---	---	---	---	280.501	280.435	280.340	280.320	280.245	280.285	280.180E	---	8
9	---	---	---	---	280.511E	280.435	280.275	280.345	280.205	280.273	280.185	---	9
10	---	---	---	---	280.521E	280.405	280.370	280.285	280.245	280.205	280.183E	---	10
11	---	---	---	---	280.531	280.415	280.385	280.255	280.285	280.210E	280.180	---	11
12	---	---	---	---	280.535	280.435	280.355	280.275	280.230	280.225	280.188E	---	12
13	---	---	---	---	280.540	280.450	280.350	280.285	280.225	280.195	280.195	---	13
14	---	---	---	---	280.555	280.448E	280.300	280.300	280.215	280.228	280.200E	---	14
15	---	---	---	280.521	280.535	280.445	280.355	280.305	280.223	280.205	280.205	---	15
16	---	---	---	---	280.525	280.385	280.335	---	280.295	280.205	280.185	---	16
17	---	---	---	---	280.538E	280.455	280.345	---	280.355	280.205	280.185	---	17
18	---	---	---	---	280.445	280.415	280.455	---	280.355	280.220E	280.178E	---	18
19	---	---	---	---	280.505	280.395	280.388E	---	280.355	280.235	280.172E	---	19
20	---	---	---	---	280.595	280.385	280.323	---	280.298E	280.295	280.185	---	20
21	---	---	---	---	280.575	280.350	280.345	---	280.243	280.155	---	---	21
22	---	---	---	280.805	280.475	280.385	280.345	---	280.225	280.173E	---	---	22
23	---	---	---	280.691	280.460	280.275	280.330	---	280.285	280.190	---	---	23
24	---	---	---	280.587E	---	280.405	280.383	280.255	280.285	280.198E	---	---	24
25	---	---	---	280.583E	---	280.395	280.375	280.285	280.225	280.205	---	---	25
26	---	---	---	280.575E	---	280.380E	280.335	280.245	280.205	280.205	---	---	26
27	---	---	---	280.574	---	280.385	280.315	280.153	280.245	280.210E	---	---	27
28	---	---	---	280.573E	---	280.405	280.345	280.145	280.295	280.214	---	---	28
29	---		---	280.571	---	280.415	280.343	280.230E	280.250	280.210E	---	---	29
30	---		---	280.581	---	280.345	280.335	280.295	280.203	280.205	---	---	30
31	---		---		---		280.345	280.235		280.228E		---	31
MEAN	---	---	---	---	---	280.415	280.345	---	280.243	280.230	---	---	MEAN
MAX	---	---	---	---	---	280.595	280.455	---	280.355	280.455	---	---	MAX
MIN	---	---	---	---	---	280.275	280.275	---	280.150	280.155	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 08 45 N
LONG 99 44 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1931

DRAINAGE AREA,
8 700 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

DAUPHIN LAKE AT OUTLET - STATION NO 05LJ009

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.315	280.255	280.236	280.265	[280.580]	280.418	280.401	280.311	280.188	279.882	280.222	280.131	1
2	280.315	280.253	280.237	280.268	[280.585]	280.265	280.387	280.301	280.377	280.206	280.110	280.132	2
3	280.310	280.254	280.240	280.271	280.574	280.329	280.356	280.176	280.283	280.199	280.173	280.135	3
4	280.312	280.260	280.234	280.280	[280.558]	280.418	280.383	280.313	280.203	280.087	280.047	280.132	4
5	280.308	280.256	280.236	280.307	280.507	280.424	280.320	280.319	280.243	279.926	280.180	280.132	5
6	280.301	280.254	280.231	280.345	280.532	280.427	280.380	280.243	280.198	280.180	280.183	280.126	6
7	280.308	280.245	280.226	280.383	280.543	280.322	280.280	280.314	280.177	280.218	280.079	280.126	7
8	280.301	280.251	280.228	280.421	280.511	280.418	280.388	280.285	280.200	280.145	280.126	280.126	8
9	280.294	280.246	280.228	280.450	280.518	280.427	280.368	280.273	280.193	280.070	280.178	280.126	9
10	280.288	280.248	280.225	280.471	280.465	280.501	280.374	280.343	280.154	280.202	280.200	280.131	10
11	280.284	280.238	280.222	280.485	280.535	280.380	280.264	280.247	280.185	280.190	280.188	280.125	11
12	280.281	280.243	280.221	280.506	280.528	280.410	280.308	280.286	280.204	280.216	280.186	280.127	12
13	280.289	280.234	280.216	280.517	280.488	280.387	280.317A	280.287	280.224	280.138	280.187	280.132	13
14	280.274	280.235	280.214	280.530	280.500	280.374	280.351	280.293	280.198	280.185	280.238	280.127	14
15	280.280	280.235	280.221	280.538	280.512	280.391A	280.401	280.285	280.208	280.223	280.146	280.129	15
16	280.282	280.238	280.221	280.538	280.434	280.433	280.295	280.198	280.174	280.181	280.183	280.132	16
17	280.278	280.238	280.219	280.543	280.488	280.384	280.285	280.285	280.087	280.177	280.128	280.128	17
18	280.274	280.231	280.236	280.548	280.510	280.374	280.281	280.228	280.098	280.104	280.104	280.130	18
19	280.278	280.230	280.236	280.521	280.488	280.391	280.310	280.285	280.183	280.110	280.088	280.133	19
20	280.275	280.225	280.235	280.488	280.348	280.385	280.297	280.283	280.200	280.109	280.150	280.127	20
21	280.273	280.225	280.234	280.583	280.380	280.379	280.342	280.182	280.221	280.288	280.150	280.126	21
22	280.273	280.232	280.231	280.541	280.488	280.336	280.319	280.189	280.214	280.205	280.148	280.129	22
23	280.278	280.230	280.237	280.581	280.451	280.382	280.324	280.288	280.193	280.146	280.142	280.127	23
24	280.278	280.223	280.231	280.580	280.470	280.342	280.348	280.287	280.197	280.252	280.139	280.127	24
25	280.274	280.217	280.237	280.548	280.481	280.343	280.324	280.288	280.212	280.194	280.143	280.130	25
26	280.271	280.223	280.248	280.481	280.486	280.328	280.358	280.288	280.227	280.130	280.141	280.125	26
27	280.287	280.230	280.243	280.583	280.448	280.388	280.342	280.289	280.182	280.144	280.144	280.123	27
28	280.285	280.235	280.255	280.517	280.441	280.314	280.325	280.275	280.144	280.147	280.141	280.118	28
29	280.283		280.256	280.553	280.442	280.304	280.327	280.183	280.181	280.149	280.137	280.123	29
30	280.288		280.265	280.518	280.485	280.388	280.348	280.114	280.238	280.205	280.132	280.114	30
31	280.288		280.282		280.488		280.330	280.188		280.191		280.117	31
MEAN	280.285	280.238	280.234	280.473	280.488	280.374	280.328	280.288	280.195	280.188	280.148	280.128	MEAN
MAX	280.315	280.260	280.265	280.518	280.574	280.501	280.401	280.343	280.377	280.288	280.238	280.135	MAX
MIN	280.288	280.217	280.214	280.265	280.349	280.243	280.284	280.114	280.057	279.882	280.047	280.114	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 280.275
MAXIMUM DAILY, 280.518 ON APR 30
MINIMUM DAILY, 279.882 ON OCT 1
MAXIMUM INSTANTANEOUS,
280.608 AT 02.41 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 22 N
LONG 99 57 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR ANAMA BAY - STATION NO 05LM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	49.88	50.68	54.68	68.18	139	147	118	57.8	17.3	17.3	31.3	35.08	1
2	50.28	50.78	55.78	71.08	136	145	105	57.1	16.8	12.2	30.7	33.58	2
3	50.48	50.78	55.88	73.58	143	132	106	51.1	14.8	18.9	29.4	31.08	3
4	50.58	51.08	57.18	79.48	146	135	110	49.5	17.4	18.6	27.4	31.28	4
5	50.98	51.48	58.38	96.28	144	139	106	55.3	18.3	12.1	25.8	31.58	5
6	51.08	51.48	59.38	112.8	139	138	99.8	52.1	16.9	11.9	27.5	31.88	6
7	51.88	51.78	59.68	129.8	139	135	99.5	50.8	16.8	16.1	30.3	31.98	7
8	52.38	51.68	58.18	142.8	144	134	98.4	50.9	16.8	17.7	31.3	31.98	8
9	52.08	52.08	59.58	128	138	141	101	48.7	16.8	13.0	27.08	30.38	9
10	52.08	52.08	60.18	125	135	145	95.9	46.1	19.9	11.8	28.79	19.58	10
11	51.98	52.28	59.88	125	133	143	84.0	44.7	21.5	16.4	28.58	16.88	11
12	51.98	52.28	58.88	129	148	139	80.1	41.1	20.7	18.4	28.08	15.48	12
13	52.18	52.38	58.08	130	148	138	83.1	45.7	20.4	19.0	28.18	13.08	13
14	52.48	52.48	57.18	134	140	134	86.1	44.6	20.6	15.7	28.28	15.18	14
15	52.28	52.48	56.98	135	140	138	87.9	41.9	21.1	21.7	28.38	15.18	15
16	51.78	52.28	56.98	131	138	137	84.2	39.4	21.0	22.4	28.18	16.48	16
17	50.98	52.18	56.88	132	133	139	78.1	37.8	18.9	22.3	24.48	16.78	17
18	50.88	52.08	56.58	132	135	138	73.9	38.8	20.2	20.8	25.48	16.98	18
19	50.28	52.28	56.98	130	138	138	69.7	37.8	20.4	21.1	25.18	17.28	19
20	50.78	52.28	60.08	123	134	135	78.5	39.1	20.1	22.7	26.18	17.08	20
21	50.78	51.98	62.38	139	112	134	78.3	37.4	20.1	24.8	27.18	16.88	21
22	50.68	51.88	64.88	143	126	133	78.6	31.8	21.6	26.8	27.08	16.78	22
23	49.78	51.48	67.08	137	136	129	73.8	32.7	20.2	27.2	26.18	16.78	23
24	48.88	51.28	68.28	138	140	133	73.5	34.5	19.0	27.2	25.28	16.68	24
25	48.88	51.38	70.18	137	141	125	72.4	33.2	19.6	32.3	25.28	16.88	25
26	49.18	51.78	72.48	134	139	119	68.2	31.7	20.9	29.4	25.58	16.68	26
27	49.28	52.28	82.98	136	135	117	66.2	31.3	21.1	25.8	25.88	16.48	27
28	49.18	53.08	82.18	139	134	113	66.1	31.8	18.5	29.8	25.78	16.18	28
29	48.58		72.08	130	140	106	63.4	31.5	16.8	30.1	25.88	15.98	29
30	48.58		72.08	138	141	108	61.7	24.3	16.1	28.6	25.98	15.78	30
31	50.08		70.48		143		59.3	17.9		30.7		15.38	31
TOTAL	1 570.8	1 448.6	1 904.3	3 898.2	4 271	3 982	2 809.8	1 284.6	577.5	680.6	808.7	580.6	TOTAL
MEAN	50.7	51.8	61.4	123	138	133	84.2	40.9	19.3	21.3	26.9	18.1	MEAN
MAX	52.4	53.0	72.4	143	148	147	118	57.8	21.6	32.3	31.3	35.0	MAX
MIN	48.8	50.6	54.8	68.1	112	106	59.3	17.9	14.6	11.8	21.3	13.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1987

MEAN 84.0
MAXIMUM DAILY, 148 ON MAY 12
MINIMUM DAILY, 11.8 ON OCT 10
MAXIMUM INSTANTANEOUS,
1588 AT 17.18 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 82 800 km²

B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	136 000	JUL	225 000
FEB	125 000	AUG	109 000
MAR	165 000	SEP	48 900
APR	320 000	OCT	57 100
MAY	369 000	NOV	69 700
JUN	344 000	DEC	49 400

TOTAL DISCHARGE, 2 020 000 dam³

DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA - STATION NO. 05PF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0608	0.0259	0.0468	0.1178	0.289	0.081E	0.048E	0.014E	0.002A	0.001E	0.007E	0.013B	1
2	0.0568	0.0238	0.0588	0.1078	0.250	0.078E	0.040E	0.014E	0.002E	0.001E	0.007E	0.013B	2
3	0.0558	0.0228	0.0658	0.1408	0.206	0.070E	0.035E	0.014E	0.002E	0.002E	0.008E	0.013B	3
4	0.0528	0.0218	0.0758	0.1818	0.182	0.065E	0.030E	0.014A	0.002E	0.002E	0.007E	0.013B	4
5	0.0498	0.0218	0.0858	0.3408	0.177	0.059E	0.029E	0.014E	0.001E	0.002E	0.008E	0.013B	5
6	0.0478	0.0208	0.0948	0.7158	0.145	0.054E	0.021E	0.014E	0.001E	0.002E	0.008E	0.013B	6
7	0.0468	0.0208	0.1038	1.30 B	0.107	0.046E	0.016A	0.015E	0.001A	0.002E	0.008E	0.014B	7
8	0.0458	0.0188	0.1128	2.21	0.086	0.043E	0.016B	0.015E	0.001E	0.002E	0.009E	0.014B	8
9	0.0458	0.0188	0.1228	2.86	0.078	0.037A	0.015E	0.015E	0.001E	0.002E	0.009E	0.015B	9
10	0.0458	0.0188	0.1318	3.52	0.085	0.038E	0.015E	0.016E	0.001E	0.002E	0.009A	0.015B	10
11	0.0448	0.0178	0.1418	3.63	0.103	0.033E	0.014E	0.016E	0.001E	0.003E	0.009E	0.016B	11
12	0.0448	0.0188	0.1508	3.33	0.082	0.031E	0.014E	0.016E	0.001E	0.003E	0.009B	0.016B	12
13	0.0448	0.0188	0.1598	2.82	0.081	0.028E	0.013E	0.015E	0.001E	0.003A	0.009B	0.016B	13
14	0.0438	0.0158	0.1698	2.33	0.081	0.028E	0.013A	0.015E	0.001E	0.003E	0.009B	0.016B	14
15	0.0438	0.0158	0.1788	2.23	0.071	0.024E	0.013E	0.014E	0.001E	0.002E	0.009B	0.019B	15
16	0.0428	0.0148	0.1888	1.71	0.075	0.022A	0.013E	0.013E	0.001E	0.002E	0.009B	0.019B	16
17	0.0428	0.0138	0.1978	1.71	0.084	0.031E	0.013E	0.013E	0.001E	0.002E	0.010B	0.020B	17
18	0.0428	0.0138	0.2078	1.71	0.073	0.038E	0.014E	0.013A	0.001E	0.002E	0.010B	0.019B	18
19	0.0418	0.0128	0.2168	1.28	0.063	0.048E	0.016E	0.012E	0.001E	0.002E	0.010B	0.019B	19
20	0.0418	0.0118	0.2268	1.12	0.055	0.057E	0.014E	0.010E	0.001E	0.001A	0.010B	0.018B	20
21	0.0388	0.0118	0.2368	0.948	0.118	0.068E	0.016A	0.009E	0.001E	0.002E	0.010B	0.018B	21
22	0.0368	0.0108	0.2458	0.788	0.121	0.076E	0.014E	0.007E	0.001A	0.003E	0.011B	0.017B	22
23	0.0368	0.0108	0.2558	0.594	0.112	0.083A	0.014E	0.006E	0.001E	0.003E	0.011B	0.018B	23
24	0.0358	0.0088	0.4888	0.439	0.105	0.078E	0.014E	0.005E	0.001E	0.004E	0.011B	0.018B	24
25	0.0348	0.0178	0.4088	0.355	0.090	0.073E	0.013E	0.003A	0.001E	0.005E	0.011B	0.018B	25
26	0.0338	0.0288	0.3408	0.373	0.107	0.088E	0.013E	0.003E	0.001E	0.005E	0.011B	0.014B	26
27	0.0328	0.0348	0.2088	0.426	0.123	0.084E	0.013E	0.003E	0.001E	0.006E	0.012B	0.013B	27
28	0.0308	0.0428	0.2108	0.415	0.121	0.088E	0.013A	0.003E	0.001E	0.006E	0.012B	0.013B	28
29	0.0298		0.2108	0.337	0.091	0.084E	0.013E	0.003E	0.001A	0.006E	0.012B	0.011B	29
30	0.0278		0.2148	0.291	0.038	0.050E	0.013E	0.003E	0.001E	0.007E	0.012B	0.010B	30
31	0.0268		0.2158		0.084		0.013E	0.002E		0.007E		0.008B	31
TOTAL	1.287	0.507	5.816	38.329	3.488	1.577	0.541	0.328	0.034	0.085	0.287	0.487	TOTAL
MEAN	0.042	0.018	0.188	1.28	0.113	0.053	0.017	0.011	0.001	0.003	0.010	0.015	MEAN
MAX	0.060	0.042	0.488	3.63	0.289	0.083	0.048	0.016	0.002	0.007	0.012	0.020	MAX
MIN	0.026	0.008	0.048	0.107	0.038	0.022	0.013	0.002	0.001	0.001	0.007	0.008	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.144
MAXIMUM DAILY, 3.63 ON APR 11
MINIMUM DAILY, 0.001E ON SEP 5

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	111	JUL	46.7
FEB	43.8	AUG	28.3
MAR	503	SEP	2.94
APR	3 310	OCT	8.21
MAY	289	NOV	24.8
JUN	136	DEC	40.3

TOTAL DISCHARGE, 4 550 dam³

DEADHORSE CREEK AT MORDEN - STATION NO. 05OC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.8788	0.006	0	0	0.002	0	0	---	---	1
2	---	---	0 B	0.0628	0.007	0	0	0.003	0	0	---	---	2
3	---	---	0 B	0.0228	0.006	0	0	0	0	0	---	---	3
4	---	---	0 B	2.78 B	0.006	0	0	0	0	0	---	---	4
5	---	---	0 B	7.61 B	0.006	0	0	0	0	0	---	---	5
6	---	---	0 B	8.17	0.018	0	0	0	0	0	---	---	6
7	---	---	0 B	3.00	0.010	0	0.012	0	0	0	---	---	7
8	---	---	0 B	2.50	0.007	0	0.007	0	0	0	---	---	8
9	---	---	0 B	1.65	0.022	0	0.012	0	0	0	---	---	9
10	---	---	0 B	1.32	0.015	0	0.080	0	0	0	---	---	10
11	---	---	0 B	0.828	0.008	0	0.088	0	0	0	---	---	11
12	---	---	0.0018	0.469	0.201	0	0.034	0	0	0	---	---	12
13	---	---	0.0018	0.274	0.080	0	0.019	0	0	0	---	---	13
14	---	---	0.0018	0.220	0.012	0	0.018	0	0	0	---	---	14
15	---	---	0.0388	0.222	0.008	0	0.019	0.088	0	0	---	---	15
16	---	---	0.2198	0.200	0.003	0	0.014	0.029	0.0098	0	---	---	16
17	---	---	0.0808	0.188	0.002	0	0.010	0.016	0.022	0	---	---	17
18	---	---	0.0378	0.087	0.001	0	0.017	0.011	0.009	0	---	---	18
19	---	---	0.0138	0.126	0.001	0	0.063	0.009	0.006	0	---	---	19
20	---	---	0.0108	0.082	0.001	0	0.029	0.006	0.002	0	---	---	20
21	---	---	0.0188	0.082	0.006	0	0.014	0.005	0.001	0.001	---	---	21
22	---	---	0.2018	0.310	0.004	0	0.018	0.003	0	0.001	---	---	22
23	---	---	0.1088	0.040	0.001	0	0.018	0.002	0	0.002	---	---	23
24	---	---	0.0888	0.020	0	0	0.010	0	0	0.002	---	---	24
25	---	---	0.0388	0.018	0	0	0.008	0	0	0.001	---	---	25
26	---	---	0.1088	0.031	0.002	0	0.004	0	0	0.002	---	---	26
27	---	---	0.2328	0.022	0.002	0	0.003	0	0	0.001	---	---	27
28	---	---	0.0488	0.074	0.004	0	0.002	0	0	0.001	---	---	28
29	---		0.0118	0.018	0.010	0	0.001	0	0	0.002	---	---	29
30	---		0.0078	0.010	0.004	0	0.001	0	0	0.002	---	---	30
31	---		0.1088		0		0.002	0		0.001		---	31
TOTAL	---	---	1.357	28.481	0.451	0	0.483	0.151	0.049	0.015	---	---	TOTAL
MEAN	---	---	0.044	0.883	0.015	0	0.015	0.005	0.002	0.001	---	---	MEAN
MAX	---	---	0.232	7.61	0.201	0	0.080	0.088	0.022	0.002	---	---	MAX
MIN	---	---	0	0.010	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.130
MAXIMUM DAILY, 7.61B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.3B AT 13.15 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 06 38 W
DRAINAGE AREA, 142 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.0
FEB	---	AUG	13.0
MAR	117	SEP	4.23
APR	2 550	OCT	1.38
MAY	39.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 780 dam³

DEER RIVER NORTH OF BELCHER - STATION NO. 05PD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.04 B	0.8528	0.7308	0.5888	---	47.2	13.2	4.30	---	---	8.978	3.618	1
2	1.04 B	0.8478	0.7248	0.5968	---	44.8	13.2	3.93	---	---	8.728	3.488	2
3	1.03 B	0.8478	0.7188	0.5838	---	42.2	11.2	3.70	---	---	8.488	3.308	3
4	1.03 B	0.8418	0.7138	0.5918	---	38.9	10.7	3.88	---	---	8.248	3.318	4
5	1.03 B	0.8368	0.7088	0.5888	---	35.9	9.88	4.08	---	---	8.008	3.188	5
6	1.03 B	0.8308	0.7028	0.5888	---	33.0	9.24	4.82	---	---	7.888	3.098	6
7	1.02 B	0.8258	0.6978	0.5828	---	30.3	8.70	5.26	---	---	7.548	2.948	7
8	1.02 B	0.8198	0.6918	0.5788	---	27.2	8.89	5.38	---	---	7.438	2.898	8
9	1.02 B	0.8148	0.6858	0.5788	---	25.1	10.1	5.08	---	---	7.218	2.718	9
10	1.02 B	0.8088	0.6838	0.5788	---	23.2	11.4	4.88	---	---	7.108	2.648	10
11	1.01 B	0.8038	0.6808	0.5788	---	21.6	12.2	4.31A	---	---	6.888	2.578	11
12	1.01 B	0.7978	0.6778	0.5788	---	20.3	13.3	---	---	---	6.888	2.518	12
13	1.01 B	0.7948	0.6748	0.5788	---	18.7	12.0	---	---	---	6.448	2.388	13
14	1.01 B	0.7918	0.6888	0.5788	---	18.0	11.4	---	---	---	8.228	2.328	14
15	1.00 B	0.7868	0.6888	0.5788	---	17.0	10.7	---	---	---	5.988	2.288	15
16	0.8888	0.7808	0.6838	---	---	16.1	10.3	---	---	---	5.898	2.238	16
17	0.8778	0.7778	0.6848	---	---	15.4	10.2	---	---	---	5.788	2.068	17
18	0.8678	0.7758	0.6858	---	---	15.9	10.3	---	---	---	5.588	2.018	18
19	0.8588	0.7688	0.6828	---	---	16.6	10.1	---	---	---	5.348	1.958	19
20	0.8498	0.7688	0.6888	---	---	21.3	9.83	---	---	---	5.238	1.908	20
21	0.8408	0.7638	0.6848	---	48.2A	22.8	8.37	---	---	---	5.018	1.888	21
22	0.8308	0.7588	0.6418	---	50.7	23.1	8.77	---	---	---	4.808	1.778	22
23	0.8218	0.7528	0.6388	---	58.4	22.2	8.43	---	---	---	4.688	1.728	23
24	0.8128	0.7488	0.6338	---	62.4	21.0	8.42	---	---	---	4.508	1.688	24
25	0.8038	0.7478	0.6308	---	64.2	20.4	7.87	---	---	10.7 B	4.418	1.638	25
26	0.8838	0.7418	0.6278	---	68.6	19.4	8.82	---	---	10.5 B	4.318	1.588	26
27	0.8648	0.7388	0.6248	---	68.8	18.1	8.84	---	---	10.2 B	4.138	1.498	27
28	0.8758	0.7388	0.6218	---	68.5	16.8	8.24	---	---	9.978	4.048	1.488	28
29	0.8688		0.6188	---	62.0	15.8	4.84	---	---	9.728	3.888	1.408	29
30	0.8618		0.6108	---	58.7	14.3	4.43	---	---	9.478	3.698	1.388	30
31	0.8888		0.6058		51.0		4.21	---		9.228		1.318	31
TOTAL	29.888	22.140	20.583	---	---	724.4	288.85	---	---	---	182.88	70.60	TOTAL
MEAN	0.968	0.791	0.884	---	---	24.1	9.32	---	---	---	5.10	2.28	MEAN
MAX	1.04	0.852	0.730	---	---	47.2	13.2	---	---	---	8.97	3.81	MAX
MIN	0.858	0.738	0.608	---	---	14.3	4.21	---	---	---	3.88	1.31	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 590	JUL	25 000
FEB	1 910	AUG	---
MAR	1 780	SEP	---
APR	---	OCT	---
MAY	---	NOV	15 800
JUN	62 600	DEC	6 100

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05MC014

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.348E	540.110	540.085	539.950	539.744	539.711	539.603	539.480	539.331	---	1
2	---	---	539.344E	540.112	540.082	539.844	539.738	539.710	539.598	539.441	539.328A	---	2
3	---	---	539.343E	540.117	540.081	539.842	539.730	539.700	539.589	539.435	---	---	3
4	---	---	539.342E	540.145	540.084	539.838	539.726	539.692	539.580	539.427	---	---	4
5	---	---	539.340E	540.188	540.082	539.829	539.724	539.686	539.574	539.420	---	---	5
6	---	---	539.342E	540.188	540.089	539.825	539.720	539.675	539.567	539.417	---	---	6
7	---	---	539.340E	540.189	540.065	539.820	539.719	539.666	539.561	539.413	---	---	7
8	---	---	539.381E	540.171	540.050	539.810	539.710	539.659	539.555	539.409	---	---	8
9	---	---	539.388E	540.206	540.045	539.802	539.706	539.651	539.548	539.402	---	---	9
10	---	---	539.378E	540.228	540.035	539.888	539.713	539.644	539.548	539.397	---	---	10
11	---	---	539.382A	540.228	540.033	539.880	539.718	539.639	539.545	539.383	---	---	11
12	---	---	539.388	540.218	540.024	539.883	539.710	539.633	539.545	539.388	---	---	12
13	---	---	539.410	540.184	540.013	539.874	539.708	539.624	539.541	539.382	---	---	13
14	---	---	539.418	540.137	540.005	539.868	539.705	539.651	539.533	539.376	---	---	14
15	---	---	539.423	540.108	539.998	539.867	539.698	539.668	539.528	539.375	---	---	15
16	---	---	539.428	540.084	539.994	539.845	539.682	539.685	539.521	539.372	---	---	16
17	---	---	539.438	540.082	539.988	539.832	539.684	539.682	539.518	539.368	---	---	17
18	---	---	539.467	540.074	539.985	539.822	539.687	539.678	539.513	539.366	---	---	18
19	---	---	539.482	540.082	539.980	539.811	539.725	539.689	539.510	539.362	---	---	19
20	---	---	539.478	540.083	539.979	539.805	539.720	539.686	539.507	539.358	---	---	20
21	---	---	539.531	540.078	539.978	539.803	539.718	539.688	539.502	539.355	---	---	21
22	---	---	539.772	540.048	539.971	539.783	539.715	539.660	539.497	539.351	---	---	22
23	---	---	539.838	540.090	539.958	539.788	539.714	539.654	539.493	539.351	---	---	23
24	---	---	540.031	540.092	539.954	539.788	539.707	539.648	539.485	539.351	---	---	24
25	---	---	540.088	540.088	539.950	539.773	539.699	539.643	539.481	539.347	---	---	25
26	---	---	540.104	540.085	539.957	539.781	539.692	539.638	539.477	539.343	---	---	26
27	---	---	540.113	540.081	539.954	539.780	539.685	539.634	539.473	539.341	---	---	27
28	---	---	540.108	540.078	539.962	539.782	539.680	539.628	539.470	539.340	---	---	28
29	---		540.087	540.074	539.958	539.783	539.674	539.620	539.464	539.337	---	---	29
30	---		540.084	540.088	539.954	539.747	539.666	539.614	539.459	539.334	---	---	30
31	---		540.095		539.951		539.693	539.607		539.332	---	---	31
MEAN	---	---	539.605	540.122	540.005	539.848	539.708	539.659	539.526	539.379	---	---	MEAN
MAX	---	---	540.113	540.228	540.085	539.950	539.744	539.711	539.603	539.480	---	---	MAX
MIN	---	---	539.340	540.083	539.951	539.747	539.674	539.607	539.459	539.332	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 540.228 ON APR 10
MINIMUM DAILY, 539.328A ON NOV 2
MAXIMUM INSTANTANEOUS,
540.230 AT 00 08 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 100 24 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

DENNIS LAKE NEAR MALONTON - STATION NO 05SB801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	286.285	286.170	285.969	286.127	286.048	285.941	---	---	1
2	---	---	---	---	286.279	286.164	286.038	286.124	286.042	285.938	---	---	2
3	---	---	---	---	286.273	286.154	286.039	286.112	286.033	285.935	---	---	3
4	---	---	---	---	286.276	286.151	286.023	286.106	286.026	285.935	---	---	4
5	---	---	---	---	286.282	286.142	286.011	286.103	286.023	285.932	---	---	5
6	---	---	---	---	286.282	286.139	285.999	286.121	286.014	285.932	---	---	6
7	---	---	---	---	286.270	286.136	286.026	286.133	286.008	285.932	---	---	7
8	---	---	---	---	286.284	286.127	286.020	286.127	285.999	285.932	---	---	8
9	---	---	286.033A	---	286.281	286.118	286.017	286.118	285.993	285.935	285.804A	---	9
10	---	---	---	---	286.282	286.109	286.045	286.115	286.990	285.941	---	---	10
11	---	---	---	---	286.285	286.127	286.048	286.127	285.993	285.950	---	---	11
12	---	---	---	---	286.237	286.124	286.048	286.124	286.002	285.953	---	---	12
13	---	---	---	---	286.231	286.112	286.038	286.115	286.002	285.953	---	---	13
14	---	---	---	286.298A	286.237	286.100	286.038	286.127	285.993	285.950	---	---	14
15	---	---	---	286.304	286.228	286.078	286.038	286.187	285.987	285.944	---	---	15
16	---	---	---	286.313	286.228	286.080	286.033	286.184	285.984	285.944	---	---	16
17	---	---	---	286.318	286.216	286.083	286.023	286.145	285.981	285.941	---	---	17
18	---	---	---	286.313	286.212	286.057	286.011	286.138	285.987	286.947	---	---	18
19	---	---	---	286.310	286.208	286.039	286.057	286.130	285.996	286.947	---	---	19
20	---	---	---	286.308	286.203	286.020	286.078	286.121	285.996	285.944	---	---	20
21	---	---	---	286.310	286.218	286.006	286.068	286.118	285.993	285.941A	---	---	21
22	---	---	---	286.310	286.216	285.993	286.068	286.112	285.984	---	---	---	22
23	---	---	---	286.307	286.212	285.984	286.054	286.103	285.975	---	---	---	23
24	---	---	---	286.301	286.208	285.978	286.042	286.093	285.965	---	---	---	24
25	---	---	---	286.304	286.200	285.972	286.029	286.087	285.959	---	---	---	25
26	---	---	---	286.334	286.200	285.969	286.011	286.081	285.953	---	---	---	26
27	---	---	---	286.319	286.200	285.985	285.990	286.075	285.950	---	---	---	27
28	---	---	---	286.307	286.200	285.969	285.972	286.069	285.947	---	---	---	28
29	---	---	---	286.307	286.194	285.956	285.962	286.066	285.947	---	---	---	29
30	---	---	---	286.282	286.188	286.953	286.959	286.060	285.944	---	---	---	30
31	---	---	---		286.176		286.090	286.054		---	---	---	31
MEAN	---	---	---	---	286.232	286.084	286.027	286.111	285.990	---	---	---	MEAN
MAX	---	---	---	---	286.285	286.170	286.090	286.187	286.048	---	---	---	MAX
MIN	---	---	---	---	286.176	286.953	285.959	286.054	285.944	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 286.368 ON APR 20

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 45 N
LONG 97 20 38 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
282 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEVILS CREEK NEAR LISAU - STATION NO 05DJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0248	0.145	0.086	0.028	9.40	0.233	0.109	0.083	---	1
2	---	---	0 B	0.0308	0.136	0.080	0.037	2.78	0.216	0.113	0.080	---	2
3	---	---	0 B	0.1008	0.122	0.078	0.038	1.47	0.214	0.108	---	---	3
4	---	---	0.0088	5.80 B	0.115	0.088	0.030	1.07	0.194	0.108	---	---	4
5	---	---	0.0288	18.4 B	0.107	0.085	0.030	0.757	0.179	0.131	---	---	5
6	---	---	0.0308	27.4 B	0.102	0.084	0.036	3.85	0.175	0.138	---	---	6
7	---	---	0.0288	18.2 B	0.092	0.083	0.161	1.84	0.180	0.125	---	---	7
8	---	---	0.0288	11.3 B	0.087	0.057	0.589	1.28	0.152	0.117	---	---	8
9	---	---	0.0268	6.39 A	0.083	0.047	0.333	0.810	0.144	0.130	---	---	9
10	---	---	0.0248	5.34 A	0.080	0.046	0.218	0.837	0.138	0.117	---	---	10
11	---	---	0.0268	2.84 A	0.077	0.057	0.188	0.801	0.186	0.108	---	---	11
12	---	---	0.0248	2.28 A	0.078	0.053	0.148	0.801	0.207	0.102	---	---	12
13	---	---	0.0228	1.85 A	0.075	0.045	0.131	0.518	0.163	0.088	---	---	13
14	---	---	0.0208	1.69 A	0.085	0.041	0.108	0.455	0.141	0.088	---	---	14
15	---	---	0.0188	1.49 A	0.058	0.038	0.094	10.6	0.135	0.085	---	---	15
16	---	---	0.0228	1.54	0.058	0.030	0.079	5.25	0.127	0.083	---	---	16
17	---	---	0.0238	1.34	0.058	0.037	0.072	2.05	0.122	0.081	---	---	17
18	---	---	0.0268	1.04	0.058	0.037	0.086	1.36	0.133	0.077	---	---	18
19	---	---	0.0308	0.751	0.062	0.031	0.138	1.03	0.140	0.072	---	---	19
20	---	---	0.0358	0.552	0.063	0.027	0.148	0.862	0.138	0.070	---	---	20
21	---	---	0.0388	0.480	0.067	0.032	0.148	0.719	0.131	0.070	---	---	21
22	---	---	0.0308	0.388	0.070	0.085	0.162	0.580	0.118	0.070	---	---	22
23	---	---	0.0268	0.328	0.084	0.043	0.401	0.508	0.114	0.068	---	---	23
24	---	---	0.0248	0.327	0.070	0.032	0.356	0.448	0.115	0.078	---	---	24
25	---	---	0.0268	0.308	0.062	0.031	0.238	0.417	0.112	0.188	---	---	25
26	---	---	0.0249	0.288	0.058	0.034	0.158	0.388	0.108	0.078	---	---	26
27	---	---	0.0218	0.237	0.068	0.034	0.107	0.331	0.109	0.075	---	---	27
28	---	---	0.0188	0.192	0.122	0.029	0.092	0.322	0.111	0.088	---	---	28
29	---	---	0.0148	0.188	0.154	0.028	0.070	0.287	0.106	0.065	---	---	29
30	---	---	0.0138	0.147	0.159	0.027	0.059	0.278	0.108	0.063	---	---	30
31	---	---	0.0118		0.118		11.2	0.295		0.062		---	31
TOTAL	---	---	0.888	113.700	2.722	1.434	15.891	51.992	4.428	2.921	---	---	TOTAL
MEAN	---	---	0.021	3.79	0.088	0.048	0.506	1.68	0.148	0.094	---	---	MEAN
MAX	---	---	0.038	27.4	0.159	0.085	11.2	10.6	0.233	0.188	---	---	MAX
MIN	---	---	0	0.024	0.052	0.026	0.028	0.255	0.106	0.062	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.780
MAXIMUM DAILY, 27.48 ON APR 5
MINIMUM DAILY, 08 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 98 42 50 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 380
FEB	---	AUG	4 490
MAR	57.5	SEP	383
APR	9 820	OCT	252
MAY	235	NOV	---
JUN	124	DEC	---

TOTAL DISCHARGE, 18 700 dam³

DOG LAKE NEAR VOGAR - STATION NO. 05LM009

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	247.882	247.897	247.823	247.584	247.508	247.432	---	---	1
2	---	---	---	---	247.873	247.887	247.814	247.537	247.527	247.458	---	---	2
3	---	---	---	---	247.857	247.875	247.810	247.533	247.519	247.485	---	---	3
4	---	---	---	---	247.843	247.883	247.806	247.532	247.492	247.411	---	---	4
5	---	---	---	---	247.822	247.898	247.588	247.582	247.506	247.419	---	---	5
6	---	---	---	---	247.826	247.705	247.589	247.541	247.489	247.483	---	---	6
7	---	---	---	---	247.827	247.708	247.574	247.585	247.486	247.476	---	---	7
8	---	---	---	---	247.808	247.700	247.584	247.549	247.489	247.501	---	---	8
9	---	---	---	247.838A	247.812	247.678	247.580	247.585	247.490	247.484	---	---	9
10	---	---	---	247.788	247.802	247.887	247.584	247.577	247.493	247.489	---	---	10
11	---	---	---	247.800	247.782	247.873	247.584	247.528	247.488	247.488	---	---	11
12	---	---	---	247.816	247.781	247.880	247.584	247.506	247.497	247.476	---	---	12
13	---	---	---	247.840A	247.784	247.880	247.581	247.514	247.496	247.438	---	---	13
14	---	---	---	247.855	247.776	247.884	247.585	247.580	247.497	247.456	---	---	14
15	---	---	---	247.883	247.787	247.888	247.807	247.583	247.500	247.479	---	---	15
16	---	---	---	247.885	247.771	247.877	247.582	247.542	247.489	247.473	---	---	16
17	---	---	---	247.872	247.787	247.837	247.578	247.545	247.492	247.485	---	---	17
18	---	---	---	247.875	247.783	247.842	247.808	247.530	247.484	247.437	---	---	18
19	---	---	---	247.882	247.735	247.843	247.588	247.541	247.503	247.447	---	---	19
20	---	---	---	247.883	247.723	247.839	247.572	247.546	247.484	247.466	---	---	20
21	---	---	---	247.887	247.733	247.838	247.582	247.520	247.486	247.472	---	---	21
22	---	---	---	247.888	247.716	247.822	247.588	247.512	247.483	247.471	---	---	22
23	---	---	---	247.885	247.714	247.808	247.581	247.525	247.486	247.488	---	---	23
24	---	---	---	247.903	247.714	247.800	247.583	247.530	247.487	247.482	---	---	24
25	---	---	---	247.888	247.718	247.880	247.571	247.532	247.484	247.457	---	---	25
26	---	---	---	247.883	247.717	247.807	247.575	247.532	247.488	247.442	---	---	26
27	---	---	---	247.886	247.722	247.810	247.589	247.527	247.487	247.456	---	---	27
28	---	---	---	247.886	247.727	247.804	247.588	247.518	247.470	247.470	---	---	28
29	---		---	247.889	247.710	247.801	247.583	247.508	247.486	247.484	---	---	29
30	---		---	247.888	247.727	247.802	247.584	247.488	247.486	247.488A	---	---	30
31	---		---		247.728		247.570	247.513		247.487E		---	31
MEAN	---	---	---	---	247.771	247.853	247.587	247.534	247.493	247.459	---	---	MEAN
MAX	---	---	---	---	247.882	247.709	247.823	247.577	247.527	247.501	---	---	MAX
MIN	---	---	---	---	247.710	247.580	247.558	247.488	247.486	247.411	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 247.903 ON APR 24
MINIMUM DAILY, 247.411 ON OCT 4
MAXIMUM INSTANTANEOUS,
247.953 AT 02 41 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 98 38 31 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

DOMAIN DRAIN NEAR DOMAIN - STATION NO. 05QG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1188	0	0	0	0 A	0	0	---	---	1
2	---	---	0 B	0.0208	0	0	0	0 E	0	0	---	---	2
3	---	---	0 B	0.1218	0	0	0	0 E	0	0	---	---	3
4	---	---	0 B	0.7558	0	0	0	0 E	0	0	---	---	4
5	---	---	0 B	3.95 B	0	0	0	0 E	0	0	---	---	5
6	---	---	0 B	10.3 B	0	0	0	0 E	0	0	---	---	6
7	---	---	0 B	12.0	0	0	0	0 E	0	0	---	---	7
8	---	---	0 B	8.54	0	0	0	0 E	0	0	---	---	8
9	---	---	0 B	7.82	0	0	0	0 E	0	0	---	---	9
10	---	---	0 B	6.34	0	0	0	0 E	0	0	---	---	10
11	---	---	0 B	3.88	0	0	0	0 E	0	0	---	---	11
12	---	---	0 B	1.38	0	0	0	0 A	0	0	---	---	12
13	---	---	0 B	0.411	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.283	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.175	0	0	0	0.012	0	0	---	---	15
16	---	---	0 B	0.144	0	0	0	0.004	0	0	---	---	16
17	---	---	0 B	0.275	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.104	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.049	0	0	0	0.002	0	0	---	---	19
20	---	---	0 B	0.013	0	0	0	0.012	0	0	---	---	20
21	---	---	0 B	0.012	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.015	0	0	0	0	0	0	---	---	22
23	---	---	0 0108	0.002	0	0	0	0	0	0	---	---	23
24	---	---	0 0448	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0 0878	0	0	0	0	0	0	0	---	---	25
26	---	---	0 0928	0	0	0	0	0	0	0	---	---	26
27	---	---	0 4538	0	0	0	0	0	0	0	---	---	27
28	---	---	0 5328	0	0	0	0	0	0	0	---	---	28
29	---		0 4548	0	0	0	0	0	0	0	---	---	29
30	---		0 1758	0	0	0	0	0	0	0	---	---	30
31	---		0 0068		0		0	0		0		---	31
TOTAL	---	---	1.833	58.488	0	0	0.074	0.018	0	0	---	---	TOTAL
MEAN	---	---	0.059	1.88	0	0	0.002	0.001	0	0	---	---	MEAN
MAX	---	---	0.532	12.0	0	0	0.012	0.012	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.238
MAXIMUM DAILY, 12.0 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.7 AT 22 17 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 32 N
LONG 97 17 20 W
DRAINAGE AREA, 67.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	6.39
FEB	---	AUG	1.34
MAR	158	SEP	0
APR	4 880	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 5 050 dam³

DUCK RIVER AT COWAN - STATION NO 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3128	0.5298	1.29	1.45	0.288	0.588	0.274	0.387	---	---	1
2	---	---	0.3128	0.5298	1.41	1.57	0.550	0.498	0.272	0.359	---	---	2
3	---	---	0.3128	1.66 B	1.16	1.80	0.575	0.456	0.268	0.353	---	---	3
4	---	---	0.3128	2.74 B	1.10	1.41	0.558	0.427	0.258	0.374	---	---	4
5	---	---	0.3658	2.97 B	1.06	1.18	1.84	0.398	0.232	1.08	---	---	5
6	---	---	0.4498	5.59 B	0.978	0.896	2.80	0.707	0.238	1.74	---	---	6
7	---	---	0.5088	10.2 B	0.924	0.904	5.25	0.630	0.230	1.42	---	---	7
8	---	---	0.5338	12.6 B	0.857	0.843	4.07	0.719	0.220	1.51	---	---	8
9	---	---	0.5458	12.6	0.808	0.755	2.50	0.572	0.220	1.84	---	---	9
10	---	---	0.6708	8.40	0.795	0.857	1.81	0.562	0.211	1.33	---	---	10
11	---	---	0.7388	6.08	0.789	0.634	1.51	1.04	0.225	1.21	---	---	11
12	---	---	0.6838	5.28	0.733	0.588	1.50	1.48	0.235	1.26	---	---	12
13	---	---	0.6248	4.11	0.713	0.536	1.23	1.16	0.228	1.86	---	---	13
14	---	---	0.5858	4.34	0.785	0.425	1.34	0.878	0.217	2.92	---	---	14
15	---	---	0.5808	4.89	0.723	0.380	1.38	0.898	0.203	2.40	---	---	15
16	---	---	0.5288	5.55	0.647	0.381	4.13	1.59	0.202	2.10	---	---	16
17	---	---	0.5188	5.37	0.607	0.810	4.14	1.84	0.883	1.82	---	---	17
18	---	---	0.5348	4.83	0.817	0.718	2.46	1.32	1.82	1.77	---	---	18
19	---	---	0.6178	3.88	0.891	0.507	2.41	1.04	1.17	1.54	---	---	19
20	---	---	0.6488	3.48	0.570	0.380	3.73	0.880	0.905	1.50	---	---	20
21	---	---	0.8518	3.08	0.582	0.338	2.94	0.883	0.785	1.39	---	---	21
22	---	---	0.7868	2.77	0.548	0.254	2.02	0.915	0.678	1.28	---	---	22
23	---	---	1.10 B	2.55	0.486	0.411	1.64	0.898	0.582	1.22	---	---	23
24	---	---	1.04 B	2.01	0.483	0.508	1.33	0.720	0.534	1.09	---	---	24
25	---	---	0.9888	2.10	0.419	0.492	1.27	0.597	0.494	1.20	---	---	25
26	---	---	0.9228	1.87	0.415	0.388	1.18	0.557	0.484	1.77	---	---	26
27	---	---	0.8108	1.80	0.431	0.320	0.985	0.508	0.438	2.33	---	---	27
28	---	---	0.6848	1.67	1.44	0.245	0.814	0.457	0.403	2.07	---	---	28
29	---	---	0.7688	1.48	3.74	0.218	0.683	0.415	0.394	1.78	---	---	29
30	---	---	0.6378	1.42	2.83	0.188	0.588	0.378	0.378	1.84	---	---	30
31	---	---	0.6178		1.80		0.575	0.307		1.52		---	31
TOTAL	---	---	19.283	126.377	30.229	19.991	57.817	24.978	13.081	45.943	---	---	TOTAL
MEAN	---	---	0.622	4.21	0.975	0.666	1.87	0.806	0.436	1.48	---	---	MEAN
MAX	---	---	1.10	12.6	3.74	1.80	5.25	1.99	1.52	2.92	---	---	MAX
MIN	---	---	0.312	0.528	0.415	0.188	0.288	0.307	0.202	0.353	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 12.68 ON APR 8
MINIMUM DAILY, 0.188 ON JUN 30
MAXIMUM INSTANTANEOUS,
15.0 AT 23:37 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 39 00 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 000
FEB	---	AUG	2 160
MAR	1 670	SEP	1 130
APR	10 900	OCT	3 970
MAY	2 610	NOV	---
JUN	1 730	DEC	---

TOTAL DISCHARGE, 29 200 dam³

EAGER LAKE NEAR TOD LAKE - STATION NO. 05EB007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.840	32.781	32.693	32.582	32.683	32.915	33.051	33.049	32.995	32.916	32.734	32.608	1
2	32.844	32.794	32.686	32.577	32.698	32.954	33.062	33.034	33.000	32.901	32.731	32.585	2
3	32.838	32.783	32.684	32.575	32.708	32.941	33.067	33.053	32.994	32.904	32.782	32.581	3
4	32.836	32.782	32.689	32.585	32.722	32.962	33.078	33.052	33.002	32.895	32.787	32.576	4
5	32.834	32.768	32.686	32.580	32.732	32.984	33.086	33.048	32.996	32.897	32.742	32.576	5
6	32.827	32.750	32.680	32.548	32.740	32.971	33.059	33.052	33.009	32.880	32.743	32.578	6
7	32.831	32.743	32.680	32.551	32.748	32.988	33.059	33.048	33.010	32.858	32.702	32.578	7
8	32.830	32.738	32.673	32.548	32.788	32.997	33.068	33.059	33.001	32.851	32.689	32.578	8
9	32.821	32.740	32.688	32.583	32.767	33.001	33.059	33.047	32.998A	32.878	32.678	32.580	9
10	32.821	32.731	32.671	32.571	32.788	32.996	33.058	33.038	---	32.839	32.677	32.588	10
11	32.820	32.735	32.667	32.581	32.778	33.005	33.068	33.037	---	32.825	32.676	32.587A	11
12	32.815	32.725	32.662	32.587	32.775	33.026	33.065	33.055	---	32.832	32.675	---	12
13	32.822	32.725	32.659	32.585	32.783	33.057	33.052	33.070	---	32.863	32.672	---	13
14	32.819	32.723	32.663	32.568	32.800	33.048	33.052	33.034	---	32.833	32.682	---	14
15	32.807	32.725	32.648	32.564	32.815	33.038	33.051	33.028	---	32.818	32.682	---	15
16	32.805	32.723	32.648	32.562	32.812	33.012	33.051	33.022	---	32.800	32.661	---	16
17	32.805	32.716	32.639	32.563	32.809	33.043	33.053	33.031	---	32.819	32.659	---	17
18	32.790	32.716	32.632	32.563	32.828	33.048	33.053	33.034	---	32.818	32.644	---	18
19	32.783	32.717	32.630	32.564	32.810	33.033	33.049	33.023	---	32.790	32.637	---	19
20	32.782	32.714	32.627	32.568	32.830	33.030	33.061	33.013	---	32.778	32.627	---	20
21	32.781	32.708	32.633	32.561	32.838	33.013	33.060	33.025	---	32.783	32.632	---	21
22	32.780	32.705	32.633	32.568	32.850	33.023	33.063	33.019	---	32.762	32.629	---	22
23	32.777	32.703	32.626	32.574	32.855	33.045	33.053	33.021	---	32.784	32.622	---	23
24	32.773	32.701	32.622	32.583	32.859	33.061	33.038	33.009	32.982A	32.759	32.612	---	24
25	32.774	32.697	32.613	32.591	32.865	33.068	33.041	33.005	32.971	32.778	32.613	---	25
26	32.775	32.695	32.615	32.614	32.870	33.059	33.035	33.018	32.964	32.789	32.607	---	26
27	32.772	32.690	32.610	32.626	32.858	33.061	33.038	33.008	32.953	32.740	32.608	---	27
28	32.766	32.688	32.606	32.647	32.858	33.062	33.050	33.003	32.952	32.735	32.606	---	28
29	32.767		32.598	32.655	32.872	33.062	33.033	33.027	32.937	32.735	32.609	---	29
30	32.763		32.593	32.688	32.864	33.055	33.048	33.017	32.921	32.730	32.609	---	30
31	32.761		32.584		32.884		33.047	33.003		32.729		---	31
MEAN	32.803	32.724	32.645	32.573	32.801	33.018	33.054	33.032	---	32.815	32.685	---	MEAN
MAX	32.844	32.781	32.693	32.688	32.872	33.068	33.078	33.070	---	32.916	32.787	---	MAX
MIN	32.761	32.688	32.584	32.562	32.683	32.915	33.033	33.003	---	32.729	32.607	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 33.078 ON JUL 4

MAXIMUM INSTANTANEOUS,
33.118 AT 12:15 CST ON AUG 13

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 32 20 N
LONG 101 33 20 W

A - MANUAL GAUGE

REGULATED

EAST FISHER RIVER NEAR HODGSON - STATION NO 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0738	0.3088	0.530	0.308	---	---	---	---	---	---	1
2	---	---	0.0708	0.2888	0.514	0.302	---	---	---	---	---	---	2
3	---	---	0.0698	0.3158	0.513	0.320	---	---	---	---	---	---	3
4	---	---	0.0778	0.7608	0.517	0.381	---	---	---	---	---	---	4
5	---	---	0.0898	4.01 B	0.503	0.289	---	---	---	---	---	---	5
6	---	---	0.0878	22.0 B	0.470	0.350	---	---	---	---	---	---	6
7	---	---	0.0868	28.1	0.422	0.374	---	---	---	---	---	---	7
8	---	---	0.0858	20.8	0.442	0.382	---	---	---	---	---	---	8
9	---	---	0.0838	13.5	0.420	0.382	---	---	---	---	---	---	9
10	---	---	0.0828	8.80	0.508	0.333	---	---	---	---	---	---	10
11	---	---	0.0818	5.26	0.413	0.389	---	---	---	---	---	---	11
12	---	---	0.0808	3.88	0.383	0.376	---	---	---	---	---	---	12
13	---	---	0.0798	2.83	0.378	0.318	---	---	---	---	---	---	13
14	---	---	0.0778	2.10	0.382	0.284	---	---	---	---	---	---	14
15	---	---	0.0768	1.78	0.338	0.245	---	---	---	---	---	---	15
16	---	---	0.0748	1.58	0.308	0.218	---	---	---	---	---	---	16
17	---	---	0.0898	1.37	0.298	0.389	---	---	---	---	---	---	17
18	---	---	0.1078	1.22	0.301	0.382	---	---	---	---	---	---	18
19	---	---	0.1208	1.12	0.311	0.407	---	---	---	---	---	---	19
20	---	---	0.1148	0.997	0.330	0.373	---	---	---	---	---	---	20
21	---	---	0.1088	0.904	0.380	0.328	---	---	---	---	---	---	21
22	---	---	0.1028	0.813	0.512	0.218	---	---	---	---	---	---	22
23	---	---	0.1108	0.758	0.315	0.207	---	---	---	---	---	---	23
24	---	---	0.1538	0.684	0.329	0.203	---	---	---	---	---	---	24
25	---	---	0.2108	0.612	0.308	0.209	---	---	---	---	---	---	25
26	---	---	0.2818	0.634	0.322	0.234	---	---	---	---	---	---	26
27	---	---	0.4168	0.611	0.314	0.247	---	---	---	---	---	---	27
28	---	---	0.3858	0.586	0.339	0.237	---	---	---	---	---	---	28
29	---		0.3508	0.569	0.367	0.208	---	---	---	---	---	---	29
30	---		0.3328	0.538	0.351	0.201A	---	---	---	---	---	---	30
31	---		0.3288		0.317		---	---	---	---	---	---	31
TOTAL	---	---	4.460	127.531	12.118	8.973	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.145	4.25	0.391	0.299	---	---	---	---	---	---	MEAN
MAX	---	---	0.416	28.1	0.530	0.407	---	---	---	---	---	---	MAX
MIN	---	---	0.069	0.288	0.295	0.201	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 28.1 ON APR 7
MINIMUM DAILY, 0.0698 ON MAR 3
MAXIMUM INSTANTANEOUS,
29.8 AT 22:34 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DRAINAGE AREA, 397 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	387	SEP	---
APR	11 000	OCT	---
MAY	1 050	NOV	---
JUN	778	DEC	---

TOTAL DISCHARGE 13 200 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	1.24 B	0.358	0.074	0.019	0.002	0.002	0.020	---	---	1
2	---	---	0.0038	1.10 B	0.328	0.063	0.026	0	0.008	0.018	---	---	2
3	---	---	0.0048	2.42 B	0.276	0.068	0.027	0	0.008	0.016	---	---	3
4	---	---	0.0048	4.20 B	0.278	0.073	0.022	0	0.005	0.019	---	---	4
5	---	---	0.0058	3.87 B	0.301	0.074	0.022	0	0	0.032	---	---	5
6	---	---	0.0458	4.40 B	0.281	0.051	0.047	0.008	0	0.238	---	---	6
7	---	---	0.0408	7.85 B	0.228	0.044	0.041	0.012	0	0.187	---	---	7
8	---	---	0.0338	9.38	0.221	0.032	0.022	0.021	0	0.227	---	---	8
9	---	---	0.0408	8.90	0.213	0.028	0.020	0.017	0	0.196	---	---	9
10	---	---	0.0508	7.95	0.200	0.038	0.018	0.013	0	0.181	---	---	10
11	---	---	0.0608	4.78	0.203	0.037	0.031	0.020	0.004	0.135	---	---	11
12	---	---	0.0909	3.98	0.178	0.017	0.073	0.027	0.008	0.130	---	---	12
13	---	---	0.2108	3.86	0.165	0.011	0.047	0.018	0.005	0.170	---	---	13
14	---	---	0.1808	3.22	0.165	0.003	0.024A	0.025	0.002	0.215	---	---	14
15	---	---	0.1508	3.10	0.140	0	0.017E	0.026	0	0.209	---	---	15
16	---	---	0.1308	2.87	0.128	0	0.014E	0.038	0.003	0.188	---	---	16
17	---	---	0.1258	2.41	0.117	0.040	0.013A	0.064	0.170	0.142	---	---	17
18	---	---	0.1208	1.92	0.126	0.076	0.007E	0.088	0.710	0.108	---	---	18
19	---	---	0.2408	1.60	0.125	0.020	0.029A	0.042	1.15	0.109	---	---	19
20	---	---	0.3808	1.26	0.120	0.014	0.038E	0.025	0.435	0.092	---	---	20
21	---	---	0.5188	0.929	0.118	0.014	0.024A	0.022	0.238	0.091	---	---	21
22	---	---	0.5808	0.826	0.113	0.029	0.018	0.018	0.100	0.082	---	---	22
23	---	---	0.6808	0.676	0.094	0.061	0.023	0.014	0.044	0.080	---	---	23
24	---	---	3.09 B	0.619	0.087	0.063	0.025	0.014	0.106	0.092	---	---	24
25	---	---	4.52 B	0.611	0.075	0.031	0.017	0.009	0.074	0.085	---	---	25
26	---	---	4.62 B	0.584	0.079	0.027	0.033	0.005	0.027	0.122	---	---	26
27	---	---	1.85 B	0.495	0.103	0.028	0.012	0.012	0.024	0.347	---	---	27
28	---	---	1.57 B	0.438	0.146	0.025	0.007	0.004	0.023	0.324	---	---	28
29	---		1.37 B	0.406	0.174	0.023	0.007	0.004	0.020	0.228	---	---	29
30	---		1.30 B	0.372	0.134	0.020	0.007	0.004	0.021	0.199	---	---	30
31	---		1.21 B		0.090		0.006	0.003		0.190	---	---	31
TOTAL	---	---	23.418	85.846	5.344	1.082	0.736	0.535	3.186	4.460	---	---	TOTAL
MEAN	---	---	0.755	2.86	0.172	0.036	0.024	0.017	0.106	0.144	---	---	MEAN
MAX	---	---	4.62	9.38	0.358	0.076	0.073	0.068	1.15	0.347	---	---	MAX
MIN	---	---	0.002	0.372	0.075	0	0.006	0	0	0.015	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.509
MAXIMUM DAILY, 9.38 ON APR 8
MINIMUM DAILY, 0 ON JUN 15
MAXIMUM INSTANTANEOUS,
11.5 AT 22:02 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63.8
FEB	---	AUG	46.2
MAR	2 020	SEP	275
APR	7 420	OCT	385
MAY	482	NOV	---
JUN	83.5	DEC	---

TOTAL DISCHARGE, 10 800 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05MG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	13.7 B	0.037	0	0	0	---	0	---	---	1
2	---	---	0 B	13.9 B	0.034	0	0	0	---	0	---	---	2
3	---	---	0 B	15.4 B	0.030	0	0	0	---	0	---	---	3
4	---	---	0 B	15.9 B	0.030	0	0	0	---	0	---	---	4
5	---	---	0 B	14.1	0.020	0	0	0	---	0	---	---	5
6	---	---	0 B	7.88	0.019	0	0	0	---	0	---	---	6
7	---	---	0 B	5.02	0.016	0	0	0	---	0	---	---	7
8	---	---	0 B	3.24	0.013	0	0	0	---	0	---	---	8
9	---	---	0 B	2.51	0.009	0	0	0	---	0	---	---	9
10	---	---	0 B	2.06	0.010	0	0	0	---	0	---	---	10
11	---	---	0 B	1.87	0.008	0	0	0	---	0	---	---	11
12	---	---	0 B	1.34	0.007	0	0	0	---	0	---	---	12
13	---	---	0 B	1.06	0.006	0	0	0	---	0	---	---	13
14	---	---	0 B	0.817	0.004	0	0	0	---	0	---	---	14
15	---	---	0 B	0.602	0.003	0	0	---	---	0	---	---	15
16	---	---	0 B	0.484	0.005	0	0	---	0.004E	0	---	---	16
17	---	---	0 B	0.396	0.005	0	0	---	---	0	---	---	17
18	---	---	0 B	0.331	0.004	0	0	---	---	0	---	---	18
19	---	---	0 B	0.285	0.003	0	0	---	---	0	---	---	19
20	---	---	0 B	0.248	0.003	0	0	---	---	0	---	---	20
21	---	---	0 B	0.204	0.003	0	0	---	---	0	---	---	21
22	---	---	0.0058 B	0.166	0.002	0	0	---	---	0	---	---	22
23	---	---	0.0088 B	0.132	0.002	0	0	---	---	0	---	---	23
24	---	---	3.22 B	0.098	0.001	0	0	---	---	0	---	---	24
25	---	---	8.63 B	0.088	0	0	0	---	---	0	---	---	25
26	---	---	9.80 B	0.075	0	0	0	---	---	0	---	---	26
27	---	---	12.8 B	0.060	0.001	0	0	---	---	0	---	---	27
28	---	---	6.35 B	0.049	0.001	0	0	---	---	0	---	---	28
29	---		3.70 B	0.044	0	0	0	---	---	0	---	---	29
30	---		1.50 B	0.040	0		0	---	---	0	---	---	30
31	---		1.84 B		0		0	---		0		---	31
TOTAL	---	---	47.884	105.817	0.276	0	0	---	---	0	---	---	TOTAL
MEAN	---	---	1.54	3.53	0.009	0	0	---	---	0	---	---	MEAN
MAX	---	---	12.8	19.9	0.037	0	0	---	---	0	---	---	MAX
MIN	---	---	0	0.040	0	0	0	---	---	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 19.9B ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
24.4B AT 21:38 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 28 N
LONG 100 14 05 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	---
MAR 4 120		SEP	---
APR 9 150		OCT	0
MAY	23.8	NOV	---
JUN	0	DEC	---

REMARKS - RECORDER OPERATION SUSPENDED ON JUN 18 DUE TO BRIDGE CONSTRUCTION

ELGIN RESERVOIR NEAR ELGIN - STATION NO. 05MG803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	486.840	486.664E	486.641E	486.927E	486.838E	---	---	1
2	---	---	---	---	---	486.840E	486.659E	486.645E	486.922E	486.838	---	---	2
3	---	---	---	---	---	486.840E	486.654E	486.648	486.917E	486.823E	---	---	3
4	---	---	---	---	---	486.840E	486.649	486.641E	486.912	486.807E	---	---	4
5	---	---	---	---	---	486.840	486.649E	486.633E	486.910E	486.792	---	---	5
6	---	---	---	---	---	486.827E	486.649	486.625E	486.909E	486.791E	---	---	6
7	---	---	---	---	---	486.813E	486.650E	486.618	486.907	486.790E	---	---	7
8	---	---	---	487.133	---	486.800	486.652E	486.618E	486.894E	486.788E	---	---	8
9	---	---	---	---	---	486.800E	486.653E	486.618E	486.880	486.787	---	---	9
10	---	---	---	---	---	486.800E	486.654	486.618	486.869E	486.787E	---	---	10
11	---	---	---	---	---	486.800E	486.652E	486.652E	486.857	486.787E	---	---	11
12	---	---	---	---	---	486.800	486.649E	486.688E	486.865E	486.787	---	---	12
13	---	---	---	---	---	486.782E	486.647E	486.719E	486.864E	486.785E	---	---	13
14	---	---	---	---	---	486.763E	486.644	486.753	486.852	486.785E	---	---	14
15	---	---	---	---	---	486.745	486.644E	486.648E	486.852E	486.783E	---	---	15
16	---	---	---	---	---	486.741E	486.644E	486.640E	486.852E	486.782	---	---	16
17	---	---	---	---	---	486.736E	486.644	487.033	486.852	486.779E	---	---	17
18	---	---	---	---	---	486.732	486.649E	487.018E	486.852E	486.777E	---	---	18
19	---	---	---	---	---	486.734	486.654	486.998E	486.852E	486.774E	---	---	19
20	---	---	---	---	486.828	486.722E	486.652E	486.981	486.852E	486.771E	---	---	20
21	---	---	---	---	486.828E	486.711E	486.650E	486.933	486.852	486.768E	---	---	21
22	---	---	---	486.844	486.829E	486.699	486.647E	486.936E	486.850E	486.766E	---	---	22
23	---	486.819	---	---	486.831E	486.693E	486.645E	486.939E	486.847E	486.763E	---	---	23
24	---	---	---	---	486.832E	486.686E	486.643	486.942	486.845E	486.760E	---	---	24
25	---	---	487.075	---	486.834	486.680E	486.643E	486.940E	486.842	486.758E	---	---	25
26	---	---	---	---	486.831E	486.674	486.643E	486.937E	486.840E	486.755E	---	---	26
27	---	---	---	---	486.828E	486.674E	486.643	486.935E	486.839E	486.752	---	---	27
28	---	---	---	---	486.825	486.674E	486.642E	486.932	486.837	---	---	---	28
29	---		---	---	486.835	486.674	486.641E	486.932E	486.837E	---	---	---	29
30	---		---	---	486.837E	486.669E	486.639E	486.932E	486.838E	---	---	---	30
31	---		---		486.838E		486.638	486.932		---		---	31
MEAN	---	---	---	---	---	486.754	486.648	486.814	486.867	---	---	---	MEAN
MAX	---	---	---	---	---	486.840	486.664	487.033	486.927	---	---	---	MAX
MIN	---	---	---	---	---	486.669	486.638	486.618	486.837	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 30 N
LONG 100 14 13 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1966

DRAINAGE AREA
879 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK - STATION NO. 05OGO06

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.088E	0.026	---	---	---	---	---	---	1
2	---	---	0B	0 B	0.109E	0.024	---	---	---	---	---	---	2
3	---	---	0B	0 B	0.104E	0.023	---	---	---	---	---	---	3
4	---	---	0B	0.100B	0.088E	0.018	---	---	---	---	---	---	4
5	---	---	0B	3.58 B	0.089E	0.012	---	---	---	---	---	---	5
6	---	---	0B	23.5 B	0.045E	0.008	---	---	---	---	---	---	6
7	---	---	0B	45.7 A	0.037E	0.007	---	---	---	---	---	---	7
8	---	---	0B	26.0 A	0.028E	0.003	---	---	---	---	---	---	8
9	---	---	0B	17.5 A	0.022E	0.001	---	---	---	---	---	---	9
10	---	---	0B	14.0 A	0.012E	0.002	---	---	---	---	---	---	10
11	---	---	0B	8.80 A	0.005E	0.010	---	---	---	---	---	---	11
12	---	---	0B	6.51 A	0.001A	0.007	---	---	---	---	---	---	12
13	---	---	0B	4.78 A	0	0.001	---	---	---	---	---	---	13
14	---	---	0B	3.45 A	0	0	---	---	---	---	---	---	14
15	---	---	0B	2.57 A	0	0	---	---	---	---	---	---	15
16	---	---	0B	2.04 A	0	0	---	---	---	---	---	---	16
17	---	---	0B	1.44 A	0	0	---	---	---	---	---	---	17
18	---	---	0B	1.04 A	0	0	---	---	---	---	---	---	18
19	---	---	0B	0.892E	0	0	---	---	---	---	---	---	19
20	---	---	0B	0.718E	0	0	---	---	---	---	---	---	20
21	---	---	0B	0.573E	0	0	---	---	---	---	---	---	21
22	---	---	0B	0.471E	0.016	0	---	---	---	---	---	---	22
23	---	---	0B	0.390E	0.023	0	---	---	---	---	---	---	23
24	---	---	0B	0.300E	0.012	0	---	---	---	---	---	---	24
25	---	---	0B	0.244E	0.007	0	---	---	---	---	---	---	25
26	---	---	0B	0.179E	0.010	0	---	---	---	---	---	---	26
27	---	---	0B	0.140E	0.014	0	---	---	---	---	---	---	27
28	---	---	0B	0.103A	0.035	0	---	---	---	---	---	---	28
29	---		0B	0.095E	0.030	0	---	---	---	---	---	---	29
30	---		0B	0.088E	0.027	0	---	---	---	---	---	---	30
31	---		0B		0.027		---	---	---	---		---	31
TOTAL	---	---	0	188.979	0.777	0.145	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	5.57	0.025	0.005	---	---	---	---	---	---	MEAN
MAX	---	---	0	45.7	0.109	0.026	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 45.7A ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
59.4A ON APR 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 42 N
LONG 97 58 57 W
DRAINAGE AREA, 574 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	14 490	OCT	---
MAY	67.1	NOV	---
JUN	12.5	DEC	---

TOTAL DISCHARGE, 14 500 dam³

ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK - STATION NO. 05OGO05

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.043	0	---	---	---	---	---	---	1
2	---	---	0B	0 B	0.083	0	---	---	---	---	---	---	2
3	---	---	0B	0 B	0.051	0	---	---	---	---	---	---	3
4	---	---	0B	0.100B	0.041	0	---	---	---	---	---	---	4
5	---	---	0B	2.12 B	0.026	0	---	---	---	---	---	---	5
6	---	---	0B	14.2 B	0.021	0	---	---	---	---	---	---	6
7	---	---	0B	18.8	0.015	0	---	---	---	---	---	---	7
8	---	---	0B	12.5	0.014	0	---	---	---	---	---	---	8
9	---	---	0B	9.82	0.008	0	---	---	---	---	---	---	9
10	---	---	0B	7.53	0.007	0	---	---	---	---	---	---	10
11	---	---	0B	5.91	0.005	0	---	---	---	---	---	---	11
12	---	---	0B	4.51	0.004	0	---	---	---	---	---	---	12
13	---	---	0B	3.41	0.003	0	---	---	---	---	---	---	13
14	---	---	0B	2.44	0.001	0	---	---	---	---	---	---	14
15	---	---	0B	1.78	0.001	0	---	---	---	---	---	---	15
16	---	---	0B	1.38	0.001	0	---	---	---	---	---	---	16
17	---	---	0B	1.02	0.001	0	---	---	---	---	---	---	17
18	---	---	0B	0.794	0	0	---	---	---	---	---	---	18
19	---	---	0B	0.623	0	0	---	---	---	---	---	---	19
20	---	---	0B	0.555	0	0	---	---	---	---	---	---	20
21	---	---	0B	0.447A	0	0	---	---	---	---	---	---	21
22	---	---	0B	0.389E	0	0	---	---	---	---	---	---	22
23	---	---	0B	0.311E	0	0	---	---	---	---	---	---	23
24	---	---	0B	0.233E	0	0	---	---	---	---	---	---	24
25	---	---	0B	0.151E	0	0	---	---	---	---	---	---	25
26	---	---	0B	0.108E	0	0	---	---	---	---	---	---	26
27	---	---	0B	0.084E	0	0	---	---	---	---	---	---	27
28	---	---	0B	0.062A	0	0	---	---	---	---	---	---	28
29	---		0B	0.055	0	0	---	---	---	---	---	---	29
30	---		0B	0.063	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---	---	---		---	31
TOTAL	---	---	0	88.985	0.317	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	2.97	0.010	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	18.8	0.083	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.732
MAXIMUM DAILY, 18.8 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
24.2 AT 22:01 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 484 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	7 690	OCT	---
MAY	27.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 7 720 dam³

EPINETTE CREEK NEAR CARBERRY - STATION NO. 05MH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0158	0.0478	1.10	0.036	0.044	0.028	0.040	0.010	---	---	1
2	---	---	0.0158	0.0608	0.760	0.047	0.049	0.029	0.035	0.010	---	---	2
3	---	---	0.0158	0.0858	0.520	0.049	0.043	0.031	0.030	0.010	---	---	3
4	---	---	0.0158	0.1238	0.571	0.054	0.030	0.030	0.030	0.011	---	---	4
5	---	---	0.0158	0.1378	0.526	0.048	0.025	0.029	0.029	0.011	---	---	5
6	---	---	0.0158	0.1628	0.434	0.050	0.022	0.027	0.028	0.010	---	---	6
7	---	---	0.0158	0.1998	0.363	0.049	0.023	0.026	0.027	0.010	---	---	7
8	---	---	0.0158	0.301	0.351	0.047	0.022	0.025	0.026	0.868	---	---	8
9	---	---	0.0158	0.328	0.333	0.041	0.024	0.029	0.025	0.009	---	---	9
10	---	---	0.0158	0.412	0.286	0.050	0.028	0.026	0.025	0.008	---	---	10
11	---	---	0.0158	1.62	0.231	0.050	0.029	0.034	0.024	0.009	---	---	11
12	---	---	0.0158	1.80	0.208	0.056	0.025	0.028	0.026	0.008	---	---	12
13	---	---	0.0158	1.83	0.215	0.052	0.024	0.030	0.023	0.010	---	---	13
14	---	---	0.0158	1.85	0.232	0.051	0.026	0.132	0.021	0.008	---	---	14
15	---	---	0.0158	1.83	0.224	0.044	0.030	0.023	0.021	0.007	---	---	15
16	---	---	0.0158	1.80	0.267	0.038	0.031	0.025	0.017	0.007	---	---	16
17	---	---	0.0158	1.80	0.238	0.045	0.030	0.029	0.023	0.007	---	---	17
18	---	---	0.0158	1.81	0.188	0.030	0.029	0.036	0.018	0.007	---	---	18
19	---	---	0.0158	1.87	0.178	0.025	0.028	0.027	0.018	0.007	---	---	19
20	---	---	0.0238	2.41	0.181	0.023	0.022	0.026	0.017	0.008	---	---	20
21	---	---	0.0258	1.91	0.184	0.027	0.022	0.026	0.015	0.004	---	---	21
22	---	---	0.0258	1.90	0.128	0.026	0.025	0.029	0.013	0.006	---	---	22
23	---	---	0.0258	1.90	0.103	0.025	0.025	0.030	0.012	0.007	---	---	23
24	---	---	0.0259	1.78	0.106	0.023	0.025	0.030	0.012	0.007	---	---	24
25	---	---	0.0259	1.85	0.094	0.023	0.024	0.028	0.011	0.007	---	---	25
26	---	---	0.0258	1.57	0.092	0.030	0.024	0.030	0.011	0.008	---	---	26
27	---	---	0.0258	1.46	0.088	0.031	0.025	0.032	0.010	0.008	---	---	27
28	---	---	0.0239	1.34	0.083	0.044	0.026	0.031	0.010	0.007	---	---	28
29	---		0.0249	1.18	0.055	0.038	0.026	0.037	0.010	0.007	---	---	29
30	---		0.0258	1.03	0.055	0.026	0.025	0.042	0.009	0.006	---	---	30
31	---		0.0358		0.044		0.026	0.041		0.006		---	31
TOTAL	---	---	0.595	38.172	8.526	1.186	0.859	1.019	0.615	0.249	---	---	TOTAL
MEAN	---	---	0.019	1.21	0.276	0.040	0.028	0.033	0.021	0.008	---	---	MEAN
MAX	---	---	0.035	2.41	1.10	0.060	0.049	0.132	0.040	0.011	---	---	MAX
MIN	---	---	0.015	0.047	0.044	0.023	0.022	0.023	0.009	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.201
MAXIMUM DAILY, 2.41 ON APR 20
MINIMUM DAILY, 0.004 ON OCT 31
MAXIMUM INSTANTANEOUS,
2.84 AT 02:44 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 99 19 50 W
DRAINAGE AREA, 398 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	74.2
FEB	---	AUG	88.0
MAR	51.4	SEP	53.2
APR	3 130	OCT	21.5
MAY	737	NOV	---
JUN	102	DEC	---

TOTAL DISCHARGE, 4 260 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO. 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	62.78	62.7	66.0	83.8	162	183	92.6	16.3	11.6	10.0	41.2	33.7	1
2	63.38	61.9	65.0	86.3	162	171	62.4	17.1	13.9	11.0	37.0	33.5	2
3	63.9	62.7	64.8	90.3	156	147	49.7	14.8	15.1	12.3	39.3	34.0	3
4	63.7	63.0	66.0	96.6	152	139	56.7	12.6	14.8	10.9	34.6	33.5	4
5	63.3	63.2	65.3	122	154	141	54.5	12.2	13.8	8.76	33.9	33.6	5
6	62.4	63.3	66.4	116	158	138	50.1	13.2	14.5	9.01	33.0	34.0	6
7	63.2	62.4	64.8	110	163	134	53.9	12.8	14.2	31.2	29.4	34.3	7
8	63.6	62.7	63.8	100	162	133	51.1	12.7	13.7	37.0	27.9	34.9	8
9	62.5	63.0	64.5	114	160	135	53.9	13.4	13.2	36.5	30.5	34.8	9
10	62.8	62.4	66.0	136	166	129	50.8	13.5	11.9	54.5	38.8	34.9	10
11	63.4	62.5	66.4	138	170	130	38.3	15.1	11.0	51.4	36.7	34.7	11
12	63.1	60.6	64.9	136	169	127	36.4	15.2	12.1	62.3	38.3	33.5	12
13	63.7	61.3	64.7	140	162	125	43.4	15.4	12.8	54.8	36.0	33.1	13
14	64.0	61.2	63.9	142	166	123	47.9	14.1	13.1	52.2	34.7	33.6	14
15	67.5	61.8	64.6	143	161	114	41.3	14.7	12.6	49.4	34.2	34.3	15
16	64.7	61.9	64.8	147	173	102	26.3	14.4	12.9	50.4	35.7	35.0	16
17	63.6	61.7	64.7	152	161	105	24.3	14.9	12.4	55.0	33.2	35.6	17
18	62.4	61.6	65.0	154	177	102	16.8	14.6	12.1	53.6	33.08	36.1	18
19	63.3	62.0	66.8	156	166	101	20.8	14.7	11.9	51.3	31.38	36.2	19
20	63.3	62.6	67.2	156	145	99.9	26.9	14.5	10.9	36.6	33.18	36.2	20
21	62.6	61.6	70.2	150	104	101	26.6	13.9	11.9	30.3	32.98	35.6	21
22	63.3	61.3	72.6	155	128	101	31.3	13.1	12.6	30.5	32.6	35.9	22
23	64.5	61.0	71.7	154	136	95.9	16.6	13.1	11.6	32.7	31.1	35.7	23
24	64.1	61.4	73.9	154	145	93.9	16.0	13.3	11.7	36.7	32.1	35.7	24
25	64.5	60.9	77.3	154	147	80.0	15.9	12.5	12.7	46.3	33.3	36.1	25
26	64.8	62.4	81.3	155	147	66.8	15.6	13.2	13.1	38.7	34.1	36.5	26
27	63.5	62.5	84.4	159	141	70.4	16.1	13.7	12.4	34.2	34.1	36.8	27
28	62.8	62.9	85.0	157	143	66.5	16.1	15.3	11.5	35.1	34.4	36.9	28
29	62.7		85.0	164	155	62.3	15.8	15.5	11.8	34.4	34.0	36.6	29
30	62.5		85.7	164	150	56.5	16.5	12.9	12.3	32.9	33.7	36.88	30
31	63.0		85.3		154		16.0	13.4		36.4		36.98	31
TOTAL	1 966.3	1 736.7	2 174.3	4 097.9	4 799	3 367.1	1 035.0	437.1	379.9	1 106.57	1 023.9	1 082.1	TOTAL
MEAN	63.5	62.1	70.1	137	155	112	33.4	14.1	12.7	35.7	34.1	34.9	MEAN
MAX	67.5	63.3	85.7	164	181	171	96.7	17.1	15.1	55.0	41.2	36.5	MAX
MIN	62.4	60.9	63.8	83.8	104	56.5	15.5	12.2	10.9	8.76	27.9	32.1	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.6
MAXIMUM DAILY, 181 ON MAY 17
MINIMUM DAILY, 8.76 ON OCT 9
MAXIMUM INSTANTANEOUS,
187 AT 13:58 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 35 00 N
LONG 98 42 15 W
DRAINAGE AREA, 88 100 km²

B - ICE CONDITIONS

REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	170 000	JUL	89 400
FEB	150 000	AUG	37 800
MAR	188 000	SEP	32 800
APR	354 000	OCT	95 500
MAY	415 000	NOV	88 500
JUN	290 000	DEC	93 500

TOTAL DISCHARGE, 2 000 000 dam³

FALCON LAKE AT FALCON LAKE - STATION NO. 05PD801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	324.923E	324.828E	324.825	324.858E	324.800	324.707E	---	---	1
2	---	---	---	---	324.917	324.821	324.820E	324.871	324.795E	324.703E	---	---	2
3	---	---	---	---	324.913E	324.817E	324.815	324.871E	324.790	324.700	---	---	3
4	---	---	---	---	324.908	324.813	324.811E	324.871	324.785E	---	324.835	---	4
5	---	---	---	---	324.903E	324.812	324.808E	324.867E	324.780	---	---	---	5
6	---	---	---	---	324.898	324.812E	324.804	324.864E	324.775E	---	---	---	6
7	---	---	---	---	324.898E	324.812E	324.804E	324.860	324.770	---	---	---	7
8	---	---	---	---	324.898	324.812	324.804	324.858E	324.770E	---	---	---	8
9	---	---	---	324.937	324.898E	324.813E	324.804E	324.853E	324.770	---	---	---	9
10	---	---	---	324.937	324.898E	324.813	324.804	324.849E	324.768E	---	---	---	10
11	---	---	---	324.938E	324.889	324.818E	324.807E	324.845	324.762E	---	---	---	11
12	---	---	---	324.940E	324.884E	324.823	324.810E	324.850	324.758E	---	---	---	12
13	---	---	---	324.942E	324.889	324.828E	324.813	324.850E	324.754E	324.660	---	---	13
14	---	---	---	324.944E	324.884E	324.833	324.823	324.850	324.750	---	---	---	14
15	---	---	---	324.945E	324.849	324.838E	324.828E	324.847E	324.750E	---	---	---	15
16	---	---	---	324.947	324.845E	324.843	324.830E	324.843E	324.750	---	---	---	16
17	---	---	---	324.951E	324.842E	324.833	324.833	324.840	324.745	---	---	---	17
18	---	---	---	324.956E	324.838	324.834	324.838E	324.840E	324.750	---	324.610	---	18
19	---	---	---	324.956E	324.839E	324.834E	324.840E	324.840	324.747E	---	---	---	19
20	---	---	---	324.963E	324.830	324.834E	324.843	324.838E	324.743E	---	---	---	20
21	---	---	---	324.967	324.838E	324.834E	324.843E	324.830	324.740	---	---	---	21
22	---	---	---	324.980E	324.840	324.834	324.842	324.827E	324.737E	---	---	---	22
23	---	---	---	324.984E	324.837E	324.834	324.842	324.823E	324.733E	---	---	---	23
24	---	324.725	---	324.947	324.833E	324.835E	324.843E	324.820	324.730	---	324.580	---	24
25	---	---	---	324.898E	324.830	324.835	324.843E	324.820E	324.725E	---	---	---	25
26	---	---	---	324.884E	324.838E	324.830E	324.843E	324.820	324.720	---	---	---	26
27	---	---	---	324.867	324.841	324.825	324.843	324.815E	324.720E	---	---	---	27
28	---	---	---	324.847E	324.841E	324.822E	324.843	324.810	324.720	---	---	---	28
29	---		---	324.837E	324.841	324.818E	324.843	324.803E	324.715E	---	---	---	29
30	---		---	324.927	324.838E	324.815	324.847E	324.803E	324.710	---	---	---	30
31	---		---		324.831		324.851	324.800		---		---	31
MEAN	---	---	---	---	324.892	324.826	324.826	324.840	324.752	---	---	---	MEAN
MAX	---	---	---	---	324.932	324.843	324.851	324.871	324.800	---	---	---	MAX
MIN	---	---	---	---	324.830	324.812	324.804	324.800	324.710	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 45 N
LONG 95 10 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1983

DRAINAGE AREA
113 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO. 05RD006

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	304.258	---	304.088	304.383	304.897	304.828	304.351	304.218	---	---	---	1
2	---	304.255	---	304.071	304.397	304.900	304.820	304.341	304.208	---	---	---	2
3	---	304.248A	---	304.081	304.418	304.885	304.816	304.332	304.210	---	---	---	3
4	---	---	---	304.094	304.438	304.882	304.813	304.308	304.202	---	---	---	4
5	---	---	---	304.080	304.463	304.898	304.598	304.308	304.183	---	---	---	5
6	---	---	---	304.074	304.483	304.878	304.577	304.338	304.176	---	---	---	6
7	---	---	---	304.078	304.485	304.898	304.577	304.322	304.170	---	---	---	7
8	---	---	---	304.081	304.514	304.888	304.585	304.323	304.181	---	---	---	8
9	---	---	---	304.102	304.525	304.882	304.552	304.308	304.153	---	---	---	9
10	---	---	---	304.111	304.548	304.878	304.540	304.291	304.148	---	---	---	10
11	---	---	---	304.124	304.588	304.875	304.533	304.331	304.133	---	---	---	11
12	---	---	---	304.137	304.909	304.880	304.508	304.314	304.128	---	---	---	12
13	---	---	---	304.148	304.928	304.851	304.504	304.308	304.121	---	---	---	13
14	---	---	---	304.181	304.940	304.838	304.502	304.288	304.114	---	---	---	14
15	---	---	---	304.175	304.970	304.838	304.494	304.328	304.101	---	---	---	15
16	---	---	---	304.181	304.980	304.818	304.488	304.334	304.093A	---	---	---	16
17	---	---	304.088A	304.203	304.707	304.807	304.478	304.338	---	---	---	---	17
18	---	---	304.078	304.214	304.738	304.787	304.467	304.341	---	---	---	---	18
19	---	---	304.074	304.233	304.758	304.774	304.458	304.340	---	---	---	---	19
20	304.312A	---	304.081	304.240	304.788	304.783	304.488	304.340	---	---	---	---	20
21	304.307	---	304.081	304.268	304.788	304.751	304.490	304.334	---	---	---	---	21
22	304.288	---	304.085	304.271	304.801	304.749	304.445	304.320	---	---	---	---	22
23	304.283	---	304.085	304.273	304.823	304.736	304.437	304.312	---	---	---	---	23
24	304.288	---	304.087	304.283	304.838	304.734	304.430	304.305	---	---	---	---	24
25	304.283	---	304.083	304.303	304.844	304.702	304.423	304.294	---	---	---	---	25
26	304.280	---	304.077	304.314	304.858	304.694	304.414	304.287	---	---	---	---	26
27	304.276	---	304.077	304.315	304.862	304.680	304.413	304.279	---	---	---	---	27
28	304.273	---	304.078	304.338	304.872	304.687	304.404	304.272	---	---	---	---	28
29	304.287		304.077	304.342	304.894	304.649	304.384	304.268	---	---	---	---	29
30	304.285		304.075	304.372	304.886	304.640	304.373	304.234	---	---	---	---	30
31	304.281		304.085		304.891		304.382	304.218		---		---	31
MEAN	---	---	---	---	304.188	304.888	304.600	304.493	304.309	---	---	---	MEAN
MAX	---	---	---	---	304.372	304.894	304.900	304.638	304.351	---	---	---	MAX
MIN	---	---	---	---	304.084	304.383	304.640	304.382	304.218	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 95 27 30 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS IN METRES

MAXIMUM DAILY, 304.900 ON JUN 2

MAXIMUM INSTANTANEOUS,
304.911 AT 12:00 CST ON JUN 2

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

FISH LAKE AT OUTLET CONTROL STRUCTURE - STATION NO. 05SB003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	280.257	280.204	259.853	259.718	259.583	---	---	259.504	---	1
2	---	---	---	280.259	280.184	259.847	259.728	259.589	---	259.475A	259.507A	---	2
3	---	---	---	280.258	280.166	259.838	259.724	259.587	---	259.472	---	---	3
4	---	---	---	280.249	280.153	259.816	259.719	259.579	---	259.477	---	---	4
5	---	---	---	280.262	280.142	259.801	259.714	259.577	---	259.487	---	---	5
6	---	---	---	280.269	280.119	259.881	259.709	259.573	---	259.475	---	---	6
7	---	---	---	280.264	280.108	259.887	259.710	259.580	---	259.471	---	---	7
8	---	---	---	280.261	280.110	259.855	259.707	259.577	---	259.480	---	---	8
9	---	---	---	280.263	280.141	259.839	259.865	259.566	---	259.485	---	---	9
10	---	---	---	280.268	280.170	259.819	259.838	259.907	---	259.501	---	---	10
11	---	---	---	280.277	280.186	259.813	259.800	259.422A	---	259.507	---	---	11
12	---	---	---	280.287	280.187	259.808	259.587	259.339A	---	259.508	---	---	12
13	---	---	---	280.287	280.206	259.788	259.590	---	---	259.512	---	---	13
14	---	---	---	280.308	280.209	259.766	259.538	---	---	259.503	---	---	14
15	---	---	---	280.306	280.194	259.743	259.520	---	---	259.497	---	---	15
16	---	---	---	280.306	280.178	259.717	259.511	---	---	259.499	---	---	16
17	---	---	---	280.304	280.183	259.715	259.501	---	---	259.497	---	---	17
18	---	---	---	280.287	280.134	259.785	259.488	---	---	259.501	---	---	18
19	---	---	280.260A	280.285	280.122	259.782	259.481	---	---	259.498	---	---	19
20	---	---	280.252	280.289	280.111	259.769	259.497	---	---	259.494	---	---	20
21	---	---	280.254	280.287	280.100	259.767	259.485	---	---	259.488	---	---	21
22	---	---	280.258	280.281	280.084	259.760	259.479	---	---	259.487	---	---	22
23	---	---	280.259	280.274	280.071	259.745	259.488	---	---	259.498	---	---	23
24	---	---	280.258	280.264	280.061	259.735	259.458	---	---	259.500	---	---	24
25	---	---	280.262	280.260	280.039	259.737	259.463	---	---	259.500	---	---	25
26	---	---	280.260	280.260	280.028	259.738	259.497	---	---	259.511	---	---	26
27	---	---	280.260	280.248	280.022	259.727	259.543	---	---	259.511	---	---	27
28	---	---	280.259	280.238	280.006	259.727	259.537	---	---	259.507	---	---	28
29	---		280.256	280.229	259.986	259.723	259.515	---	---	259.508	---	---	29
30	---		280.254	280.212	259.985	259.719	259.532	---	---	259.507	---	---	30
31	---		280.254		259.988		259.566	---		259.505		---	31
MEAN	---	---	---	280.271	280.114	259.787	259.577	---	---	---	---	---	MEAN
MAX	---	---	---	280.306	280.209	259.983	259.728	---	---	---	---	---	MAX
MIN	---	---	---	280.212	259.986	259.715	259.458	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 97 19 06 W

A - MANUAL GAUGE

MAXIMUM DAILY, 280.306 ON APR 14

MAXIMUM INSTANTANEOUS,
280.313 AT 12 29 CST ON APR 14

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05SB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.80	0.982	0	0.038	0	0	0	---	1
2	---	---	0B	0.003B	1.78	0.827	0.001	0.022	0	0	0	---	2
3	---	---	0B	0.039B	1.77	0.812	0	0.011	0	0	0A	---	3
4	---	---	0B	1.26 B	1.75	0.686	0	0.005	0	0	---	---	4
5	---	---	0B	4.97 B	1.72	0.643	0	0.003	0	0	---	---	5
6	---	---	0B	3.46 B	1.69	0.633	0	0.004	0	0 A	---	---	6
7	---	---	0B	2.52 B	1.66	0.790	0.001	0.003	0	0	---	---	7
8	---	---	0B	1.81 B	1.63	0.788	0	0.002	0	0	---	---	8
9	---	---	0B	1.74	1.88	0.723	0	0.001	0	0.002	---	---	9
10	---	---	0B	1.23	1.56	0.694	0.108	0.002	0	0.001	---	---	10
11	---	---	0B	0.958	1.55	0.685	0.278	0.003	0	0.001	---	---	11
12	---	---	0B	1.12	1.54	0.685	0.238	0.021	0	0.001	---	---	12
13	---	---	0B	0.632	1.52	0.635	0.192	0.015	0.014A	0	---	---	13
14	---	---	0B	1.24	1.51	0.596	0.148	0.048	0.008	0	---	---	14
15	---	---	0B	2.11	1.50	0.589	0.188	0.058	0.003	0	---	---	15
16	---	---	0B	2.06	1.48	0.539	0.184	0.019	0.004	0	---	---	16
17	---	---	0B	2.03	1.48	0.515	0.123	0.008	0.003	0	---	---	17
18	---	---	0B	2.03	1.48	0.217	0.102	0.004	0.002	0	---	---	18
19	---	---	0B	2.03	1.48	0.123	0.161	0.003	0.001	0	---	---	19
20	---	---	0B	2.00	1.38	0.128	0.119	0.002	0	0	---	---	20
21	---	---	0B	1.99	1.37 A	0.070	0.091	0	0	0	---	---	21
22	---	---	0B	1.98	1.28	0.062	0.084	0	0	0	---	---	22
23	---	---	0B	1.97	1.25	0.025	0.075	0	0	0.011	---	---	23
24	---	---	0B	1.96	1.20	0.035	0.067	0	0	0.005	---	---	24
25	---	---	0B	1.93	1.16	0.036	0.059	0	0	0.002	---	---	25
26	---	---	0B	1.89	1.13	0.017	0.045	0	0 A	0.001	---	---	26
27	---	---	0B	1.85	1.08	0.007	0.038	0	0	0.001	---	---	27
28	---	---	0B	1.84	1.07	0.003	0.018	0	0	0	---	---	28
29	---		0B	1.82	1.05	0.002	0.008	0	0	0	---	---	29
30	---		0B	1.81	1.02	0	0.018	0	0	0	---	---	30
31	---		0B		0.986		0.038	0		0		---	31
TOTAL	---	---	0	52.462	44.436	13.243	2.352	0.271	0.034	0.026	---	---	TOTAL
MEAN	---	---	0	1.75	1.43	0.441	0.076	0.009	0.001	0.001	---	---	MEAN
MAX	---	---	0	4.97	1.80	0.982	0.278	0.058	0.014	0.011	---	---	MAX
MIN	---	---	0	0	0.986	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.661
MAXIMUM DAILY, 4.970 ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 632 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	203
FEB	---	AUG	23 4
MAR	0	SEP	2 94
APR	4 530	OCT	2.25
MAY	3 840	NOV	---
JUN	1 140	DEC	---

TOTAL DISCHARGE, 9 740 dam³

FISHER RIVER NEAR DALLAS - STATION NO. 05OD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2258	0.1318	0.1878	0.6338	1.22	0.488	0.285	0.221	0.215	0.187	0.376	0.3218	1
2	0.2218	0.1408	0.1508	0.5958	1.17	0.454	0.303	0.222	0.208	0.193	0.382	0.3278	2
3	0.2138	0.1598	0.1538	0.5948	1.18	0.422	0.312	0.201	0.217	0.221	0.382	0.3048	3
4	0.2168	0.1688	0.1808	1.01 B	1.14	0.398	0.324	0.303	0.221	0.227	0.346	0.2878	4
5	0.2288	0.1738	0.1828	7.30 B	0.983	0.384	0.321	0.204	0.249	0.270	0.323	0.2798	5
6	0.2288	0.1718	0.1678	28.2 B	0.918	0.388	0.304	0.254	0.289	0.295	0.353	0.2668	6
7	0.2198	0.1698	0.1718	48.2 B	0.856	0.408	0.297	0.354	0.303	0.309	0.454	0.2758	7
8	0.2008	0.1678	0.1758	56.4 B	0.811	0.422	0.282	0.368	0.274	0.319	0.397	0.2828	8
9	0.1958	0.1678	0.1758	35.3 B	0.785	0.435	0.280	0.354	0.230	0.367	0.376	0.3178	9
10	0.2018	0.1648	0.1838	22.8	0.713	0.442	0.417	0.324	0.218	0.370	0.383	0.3368	10
11	0.1988	0.1648	0.1838	15.8	0.724	0.471	0.477	0.384	0.229	0.384	0.329	0.3668	11
12	0.2038	0.1658	0.2018	11.1	0.720	0.470	0.568	0.282	0.233	0.384	0.338	0.3868	12
13	0.2178	0.1668	0.1888	8.87	0.642	0.457	0.608	0.402	0.229	0.416	0.350	0.3368	13
14	0.2058	0.1688	0.1908	7.20	0.626	0.410	0.588	0.388	0.229	0.411	0.346	0.3258	14
15	0.2098	0.1688	0.1908	6.06	0.586	0.334	0.494	0.488	0.211	0.403	0.381	0.3138	15
16	0.1938	0.1658	0.1958	5.48	0.530	0.334	0.438	0.547	0.211	0.378	0.389	0.3188	16
17	0.1728	0.1608	0.2008	4.83	0.479	0.370	0.389	0.812	0.213	0.349	0.381	0.2948	17
18	0.1708	0.1498	0.2068	4.14	0.484	0.380	0.348	0.617	0.232	0.349	0.341	0.2618	18
19	0.1808	0.1408	0.2108	3.85	0.492	0.372	0.367	0.539	0.254	0.344	0.339	0.2778	19
20	0.1798	0.1808	0.2188	3.27	0.473	0.366	0.388	0.481	0.248	0.348	0.302	0.2728	20
21	0.1708	0.1488	0.2488	3.30	0.462	0.373	0.382	0.411	0.253	0.350	0.3808	0.2738	21
22	0.1638	0.1488	0.2818	3.74	0.522	0.358	0.378	0.381	0.267	0.338	0.3468	0.2798	22
23	0.1618	0.1478	0.3508	2.38	0.586	0.348	0.384	0.367	0.227	0.338	0.3108	0.2718	23
24	0.1428	0.1538	0.3958	2.08	0.537	0.323	0.383	0.322	0.209	0.400	0.2868	0.2678	24
25	0.1198	0.1558	0.4678	1.83	0.495	0.298	0.380	0.300	0.189	0.436	0.2748	0.2268	25
26	0.1108	0.1858	0.5848	1.71	0.489	0.298	0.343	0.288	0.188	0.401	0.2808	0.2118	26
27	0.1048	0.1878	0.7138	1.58	0.494	0.315	0.310	0.311	0.187	0.382	0.2808	0.2188	27
28	0.1138	0.1828	0.8288	1.50	0.518	0.298	0.281	0.304	0.207	0.395	0.2818	0.2128	28
29	0.1128		0.8588	1.40	0.550	0.291	0.253	0.279	0.223	0.395	0.2888	0.2198	29
30	0.1238		0.7788	1.30	0.543	0.281	0.235	0.262	0.212	0.427	0.3208	0.2268	30
31	0.1208		0.6898		0.534		0.228	0.247		0.395		0.2228	31
TOTAL	5.512	4.423	8.851	289.932	21.284	11.395	11.319	11.006	6.871	10.772	10.184	8.781	TOTAL
MEAN	0.178	0.158	0.318	9.66	0.686	0.380	0.365	0.355	0.229	0.347	0.339	0.283	MEAN
MAX	0.228	0.173	0.468	56.4	1.22	0.488	0.605	0.617	0.303	0.436	0.454	0.368	MAX
MIN	0.108	0.131	0.150	0.594	0.462	0.281	0.228	0.201	0.187	0.187	0.274	0.211	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 56.48 ON APR 6
MINIMUM DAILY, 0.1068 ON JAN 27
MAXIMUM INSTANTANEOUS,
62.88 AT 12:03 CST ON APR 6

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 20 N
LONG 97 30 50 W
DRAINAGE AREA, 1 710 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	476	JUL	978
FEB	382	AUG	951
MAR	851	SEP	594
APR 28	100	OCT	931
MAY 1	840	NOV	878
JUN	985	DEC	787

TOTAL DISCHARGE, 34 700 dam³

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05TF001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.529	243.586	243.619	243.124	242.645	243.122	243.487	243.378	242.585	---	---	243.394	1
2	243.527	243.586	243.596	243.097	242.678	243.131	243.485	243.331	242.573	---	---	243.397	2
3	243.526	243.572	243.588	243.087	242.909	243.143	243.484	243.288	242.571	---	---	243.404	3
4	243.528	243.576	243.589	243.012	242.936	243.148	243.475	243.288	242.574	---	---	243.409	4
5	243.526	243.580	243.580	242.983	242.957	243.152	243.448	243.237	242.573	---	---	243.415	5
6	243.521	243.583	243.582	242.949	242.974	243.149	243.410	243.210	---	---	---	243.421	6
7	243.523	243.582	243.569	242.921	242.988	243.148	243.394	243.180	---	---	---	243.427	7
8	243.530	243.613	243.530	242.901	242.995	243.150	243.428	243.180	---	243.488A	---	243.432	8
9	243.531	243.628	243.518	242.877	243.006	243.148	243.444	243.134	---	242.478	---	243.435	9
10	243.540	243.633	243.509	242.880	243.006	243.145	243.480	243.108	---	242.481	---	243.435	10
11	243.582	243.639	243.498	242.836	243.014	243.153	243.488	243.087	---	242.487	---	243.442	11
12	243.585	243.613	243.488	242.814	243.013	243.183	243.480	243.094	---	242.488	---	243.447	12
13	243.584	243.605	243.482	242.798	243.014	243.206	243.488	243.087	---	242.508A	---	243.448	13
14	243.538	243.606	243.475	242.777	243.018	243.231	243.488	243.089	---	242.517	---	243.451	14
15	243.514	243.630	243.471	242.758	243.004	243.246	243.487	243.042	---	242.528	243.117	243.448	15
16	243.505	243.638	243.488	242.732	243.004	243.251	243.484	243.008	---	242.537	243.148	243.440	16
17	243.506	243.658	243.483	242.702	243.001	243.277	243.481	242.984	---	242.562	243.185	243.441	17
18	243.483	243.674	243.480	242.884	243.001	243.300	243.480	242.922	---	242.586	243.197	243.441	18
19	243.486	243.681	243.488	242.877	242.980	243.312	243.483	242.883	---	242.627	243.225	243.444	19
20	243.502	243.688	243.457	242.885	242.985	243.327	243.481	242.844	---	242.688	243.243	243.448	20
21	243.498	243.688	243.438	242.882	243.000	243.328	243.468	242.808	---	242.688	243.285	243.441	21
22	243.489	243.686	243.407	242.708	243.011	243.380	243.448	242.774	---	242.715	243.303	243.441	22
23	243.480	243.677	243.374	242.727	243.018	243.384	243.434	242.748	---	242.748	243.318	243.434	23
24	243.483	243.685	243.347	242.742	243.028	243.417	243.423	242.717	---	242.800	243.333	243.427	24
25	243.498	243.649	243.320	242.748	243.038	243.442	243.418	242.693	---	242.834	243.351	243.431	25
26	243.511	243.642	243.294	242.788	243.048	243.458	243.408	242.689	---	242.870	243.382	243.434	26
27	243.531	243.624	243.285	242.788	243.050	243.475	243.402	242.851	---	242.900	243.370	243.439	27
28	243.528	243.618	243.261	242.804	243.050	243.480	243.408	242.834	---	242.925	243.380	243.445	28
29	243.546		243.210	242.820	243.073	243.483	243.400	242.831	---	242.954	243.387	243.449	29
30	243.551		243.189	242.827	243.088	243.482	243.380	242.818	---	---	243.392	243.442	30
31	243.560		243.181		243.089		243.394	242.598		---		243.430	31
MEAN	243.522	243.636	243.438	242.829	243.001	243.275	243.441	242.883	---	---	---	243.433	MEAN
MAX	243.560	243.689	243.619	243.124	243.089	243.483	243.487	243.378	---	---	---	243.481	MAX
MIN	243.469	243.585	243.181	242.677	242.645	243.122	243.390	242.598	---	---	---	243.394	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 243.689 ON FEB 21

MAXIMUM INSTANTANEOUS,
243.690 AT 20:30 CST ON FEB 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

REGULATED SINCE 1976

DRAINAGE AREA,
1 440 km²

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 07FF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80	1.98	1.97	1.88	7.44	4.83	3.78	1.84	1.48	2.08	1.83	1.83	1
2	2.83	1.97	1.85	1.87	7.84	4.93	3.84	1.81	1.42	1.85	1.95	1.98	2
3	2.82	1.98	1.81	1.88	7.84	5.11	3.38	1.82	1.45	1.82	1.95	1.94	3
4	2.87	1.93	1.88	1.81	7.81	4.90	3.39	1.81	1.57	2.08	1.93	1.98	4
5	2.88	1.98	1.82	1.82	8.18	4.77	3.38	1.48	1.59	2.19	1.92	1.95	5
6	2.81	1.95	1.78	1.81	8.12	4.72	3.31	1.52	1.52	2.17	1.92	1.97	6
7	2.89	1.90	1.72	1.84	8.08	4.74	3.13	1.48	1.90	2.13	1.91	2.00	7
8	2.81	1.89	1.70	1.88	7.83	4.82	3.38	1.57	1.80	2.18	1.92	1.98	8
9	2.87	1.92	1.84	1.71	7.98	4.39	3.38	1.88	1.73	2.17	1.93	1.98	9
10	2.85	1.85	1.93	1.73	7.78	4.18	3.44	1.51	1.83A	1.81	1.93	1.97	10
11	2.83	1.92	1.87	1.77	7.84	4.07	3.38	1.83	1.84	1.84	1.92	1.98	11
12	2.82	1.89	1.79	1.78	7.80	4.10	3.31	1.88	1.87A	1.98	1.91	1.97	12
13	2.91	1.86	1.83	1.78	7.57	4.08	3.30	1.86	1.87	1.97	1.92	1.93	13
14	2.48	1.89	1.85	1.78	7.41	3.87	3.28	1.85	1.88	2.00	1.94	1.92	14
15	2.49	1.98	1.87	1.88	7.04	3.81	3.08	1.82	1.88	2.01	1.93	1.98	15
16	2.47	1.98	1.85	1.85	7.00	3.88	3.07	1.88	1.88E	2.02	1.93	1.97A	16
17	2.44	1.93	1.79	2.06	6.87	3.83	3.28	1.86	1.88A	2.01	1.93	1.98	17
18	2.34	1.81	1.78	2.19	6.38	3.58	3.08	1.82	1.88A	2.01	1.94	1.98A	18
19	2.38	1.90	1.78	2.43	6.18	3.41	3.09	1.86	1.84	2.14	1.94	1.93	19
20	2.38	1.93	1.78	2.89	6.84	3.41	2.85	1.48	1.89	2.21	1.94	1.98	20
21	2.32	1.92	1.74	2.79	6.28	3.31	2.88	1.48	1.82	2.21	1.95	1.98	21
22	2.22	1.91	1.73	3.14	5.98	3.33	2.79	1.45	1.90	2.20	1.95	1.98A	22
23	2.18	1.88	1.89	3.82	5.89	3.33	2.88	1.36	1.94	2.18	1.95	1.98	23
24	2.10	1.88	1.88	4.02	5.88	3.86	2.63	1.32	1.81	2.07	1.95	1.97	24
25	2.06	1.90	1.83	4.48	5.58	4.07	2.52	1.33	1.73	1.77	1.96	1.98A	25
26	2.08	1.98	1.84	5.08	5.48	4.13	2.38	1.30	1.73	1.78	1.98	1.98A	26
27	2.02	1.98	1.84	5.57	5.48	4.24	2.29	1.22	1.78	1.83	1.97	1.98	27
28	1.82	1.98	1.88	6.38	5.31	4.26	2.28	1.18	1.88	1.85	1.98	1.98	28
29	2.00		1.88	6.74	5.38	4.04	2.31	1.28	1.87	1.87	1.94	1.99	29
30	2.00		1.71	7.18	6.20	3.87	2.07	1.87	1.88	1.86	1.93	1.86	30
31	1.98		1.72		6.10		2.03	1.37		1.88		1.84A	31
TOTAL	73.48	53.86	54.96	85.77	210.15	123.23	92.87	47.42	52.33	62.33	58.13	60.98	TOTAL
MEAN	2.37	1.93	1.77	2.86	6.78	4.11	2.99	1.53	1.74	2.01	1.94	1.97	MEAN
MAX	2.87	1.98	1.97	7.18	8.18	5.11	3.78	1.84	1.98	2.21	1.98	2.00	MAX
MIN	1.82	1.85	1.63	1.81	5.10	3.31	2.03	1.18	1.42	1.77	1.91	1.92	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.87
MAXIMUM DAILY 8.18 ON MAY 6
MINIMUM DAILY 1.18 ON AUG 28
MAXIMUM INSTANTANEOUS
8.50 AT 16:30 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 50 N
LONG 98 53 10 W
DRAINAGE AREA 599 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 380	JUL	8 000
FEB	4 650	AUG	4 100
MAR	4 750	SEP	4 520
APR	7 410	OCT	5 380
MAY	18 200	NOV	5 020
JUN	10 600	DEC	5 270

TOTAL DISCHARGE 84 300 dam³

FORK RIVER NEAR ETHELBERT - STATION NO. 05LJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0158	0.1858	1.01	0.709	0.035	0.042	0.002	0.025	---	---	1
2	---	---	0.0208	0.1388	0.852	0.624	0.101	0.009	0.002	0.014	---	---	2
3	---	---	0.0258	0.3958	0.675	0.551	0.050	0.004	0.010	0.022	---	---	3
4	---	---	0.0488	3.87 E	0.436	0.498	0.018	0.003	0.028	0.028	---	---	4
5	---	---	0.1308	17.8 E	0.773	0.454	0.008	0.004	0.004	0.075	---	---	5
6	---	---	0.2788	16.3	0.893	0.440	0.018	0.075	0	0.038	---	---	6
7	---	---	0.3168	14.8	0.628	0.388	0.120	0.020	0	0.031	---	---	7
8	---	---	0.3318	11.8	0.867	0.342	0.063	0.011	0	0.060	---	---	8
9	---	---	0.3288	8.93	0.805	0.287	0.036	0.005	0.001	0.112	---	---	9
10	---	---	0.3278	7.78	0.890	0.250	0.023	0.012	0.001	0.110	---	---	10
11	---	---	0.1188	5.29	0.488	0.235	0.018	0.031	0.001	0.108	---	---	11
12	---	---	0.0608	4.43	0.435A	0.195	0.023	0.042	0.002	0.186	---	---	12
13	---	---	0.0388	4.08	0.318A	0.141	0.037	0.032	0.001	0.233	---	---	13
14	---	---	0.0308	3.89	0.288	0.107	0.038	0.028	0.002	0.210	---	---	14
15	---	---	0.0378	3.72	0.276	0.078	0.036	0.036	0	0.185	---	---	15
16	---	---	0.0388	4.19	0.244	0.088	0.024	0.054	0	0.182	---	---	16
17	---	---	0.1298	4.68	0.224	0.102	0.016	0.041	0.046	0.146	---	---	17
18	---	---	0.1298	4.44	0.204	0.083	0.008	0.037	0.080	0.147	---	---	18
19	---	---	0.1328	4.26	0.235	0.038	0.047	0.026	0.148	0.138	---	---	19
20	---	---	0.1338	3.83	0.250	0.022	0.080	0.078	0.083	0.152	---	---	20
21	---	---	0.2808	3.38	0.190	0.017	0.088	0.020	0.083	0.177	---	---	21
22	---	---	0.2868	2.94	0.187	0.028	0.049	0.011	0.045	0.188	---	---	22
23	---	---	0.4068	2.53	0.171	0.047	0.130	0.008	0.041	0.153	---	---	23
24	---	---	0.3378	2.25	0.181	0.050	0.102	0.012	0.054	0.153	---	---	24
25	---	---	0.2488	2.10	0.136	0.028	0.078	0.013	0.038	0.174	---	---	25
26	---	---	0.2898	1.82	0.140	0.028	0.087	0.010	0.021	0.221	---	---	26
27	---	---	0.5028	1.50	0.144	0.018	0.037	0.004	0.028	0.240	---	---	27
28	---	---	0.4588	1.39	0.330	0.015	0.020	0.003	0.028	0.235	---	---	28
29	---	---	0.2718	1.17	1.08	0.010	0.015	0.003	0.028	0.226	---	---	29
30	---	---	0.2218	1.08	0.710	0.008	0.010	0.003	0.032	0.218	---	---	30
31	---	---	0.2078		0.588		0.110	0.008		0.207	---	---	31
TOTAL	---	---	5.084	147.928	14.188	5.871	1.482	0.588	0.758	4.331	---	---	TOTAL
MEAN	---	---	0.195	4.93	0.458	0.196	0.047	0.022	0.025	0.140	---	---	MEAN
MAX	---	---	0.502	18.3	1.08	0.709	0.130	0.078	0.148	0.240	---	---	MAX
MIN	---	---	0.015	0.138	0.138	0.008	0.008	0.003	0	0.014	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.740
MAXIMUM DAILY 18.3 ON APR 6
MINIMUM DAILY 0 ON SEP 6
MAXIMUM INSTANTANEOUS
32.8 AT 21:39 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 20 N
LONG 100 32 10 W
DRAINAGE AREA 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	128
FEB	---	AUG	59.3
MAR	524	SEP	65.3
APR	12 800	OCT	374
MAY	1 230	NOV	---
JUN	507	DEC	---

TOTAL DISCHARGE 15 700 dam³

GAINSBOROUGH CREEK NEAR LYLETON - STATION NO 08NF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	1.12 B	0.448	0.210	0.011	0.028	0.001	0.001	---	---	1
2	---	---	0.0018	2.09 B	0.409	0.198	0.008	0.014	0.001	0.001	---	---	2
3	---	---	0.0018	1.86 B	0.388	0.184	0.007	0.010	0.001	0.001	---	---	3
4	---	---	0.0018	2.76 B	0.433	0.148	0.005	0.008	0.001	0.001	---	---	4
5	---	---	0.0408	3.89 B	0.517	0.137	0.004	0.008	0.001	0	---	---	5
6	---	---	0.1738	6.29 B	0.485	0.134	0.004	0.004	0.001	0	---	---	6
7	---	---	0.1518	10.8	0.440	0.138	0.005	0.003	0.001	0	---	---	7
8	---	---	0.1118	10.8	0.450	0.131	0.004	0.002	0.001	0	---	---	8
9	---	---	0.0838	10.5	0.438	0.112	0.005	0.001	0.001	0	---	---	9
10	---	---	0.0778	9.57	0.423	0.120	0.006	0.001	0.002	0	---	---	10
11	---	---	0.0288	8.24	0.412	0.138	0.007	0.002	0.002	0.001	---	---	11
12	---	---	0.0098	4.82	0.401	0.137	0.006	0.001	0.002	0.001	---	---	12
13	---	---	0.0088	4.12	0.398	0.132	0.006	0.001	0.001	0	---	---	13
14	---	---	0.0098	3.37	0.388	0.141	0.004	0.006	0.001	0	---	---	14
15	---	---	0.0108	3.20	0.291	0.088	0.004	0.013	0.001	0	---	---	15
16	---	---	0.0108	2.89	0.288	0.078	0.003	0.008	0.001	0	---	---	16
17	---	---	0.0138	1.52	0.284	0.133	0.002	0.008	0.002	0	---	---	17
18	---	---	0.0278	1.44	0.288	0.174	0.008	0.004	0.001	0	---	---	18
19	---	---	0.0258	1.41	0.243	0.122	0.014	0.003	0.001	0	---	---	19
20	---	---	0.0308	1.32	0.242	0.088	0.012	0.002	0.001	0	---	---	20
21	---	---	0.5238	1.17	0.228	0.084	0.010	0.002	0.001	0.001	---	---	21
22	---	---	1.14 B	1.08	0.208	0.051	0.008	0.001	0	0.001	---	---	22
23	---	---	1.04 B	0.946	0.198	0.044	0.009	0	0	0.001	---	---	23
24	---	---	2.61 B	0.852	0.204	0.044	0.008	0	0	0.001	---	---	24
25	---	---	5.76 B	0.784	0.185	0.038	0.006	0.001	0	0.001	---	---	25
26	---	---	5.75 B	0.894	0.267	0.035	0.004	0.001	0.001	0.001	---	---	26
27	---	---	3.82 B	0.840	0.285	0.026	0.003	0.001	0.001	0	---	---	27
28	---	---	1.88 B	0.592	0.238	0.024	0.003	0.001	0.001	0	---	---	28
29	---		1.50 B	0.528	0.185	0.025	0.002	0.001	0.001	0	---	---	29
30	---		0.1878	0.491	0.171	0.017	0.009	0.001	0.001	0	---	---	30
31	---		0.2818		0.179		0.019	0.001		0.001	---	---	31
TOTAL	---	---	25.540	98.782	9.980	3.122	0.206	0.134	0.030	0.013	---	---	TOTAL
MEAN	---	---	0.824	3.33	0.321	0.104	0.007	0.004	0.001	0	---	---	MEAN
MAX	---	---	5.76	10.8	0.517	0.210	0.019	0.028	0.002	0.001	---	---	MAX
MIN	---	---	0.001	0.491	0.171	0.017	0.002	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.568
MAXIMUM DAILY, 10.8 ON APR 7
MINIMUM DAILY, 0 ON AUG 23
MAXIMUM INSTANTANEOUS,
11.3 AT 01:44 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 130 km²

B - ICE CONDITIONS

REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17 8
FEB	---	AUG	11 6
MAR	2 210	SEP	2 58
APR	8 620	OCT	1 13
MAY	861	NOV	---
JUN	270	DEC	---

TOTAL DISCHARGE, 12 000 dam³

GARLAND RIVER NEAR DUCK RIVER - STATION NO 08LG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1128	0.8828	0.863	1.18	0.135	0.078	0	0.016	---	---	1
2	---	---	0.1108	1.45 B	0.817	0.936	0.138	0.060	0	0.016	---	---	2
3	---	---	0.1088	2.20 B	0.788	0.894	0.119	0.050	0	0.018	---	---	3
4	---	---	0.1078	2.91 B	0.780	0.818	0.106	0.042	0	0.026	---	---	4
5	---	---	0.1038	3.23 B	0.784	0.784	0.116	0.028	0	0.088	---	---	5
6	---	---	0.0948	4.92 B	0.889	0.679	0.128	0.028	0	0.116	---	---	6
7	---	---	0.0948	10.1 B	0.842	0.816	0.137	0.033	0	0.097	---	---	7
8	---	---	0.0858	10.8	0.591	0.520	0.130	0.037	0	0.107	---	---	8
9	---	---	0.0888	8.80	0.542	0.480	0.121	0.028	0	0.188	---	---	9
10	---	---	0.1018	7.75	0.495	0.459	0.189	0.028	0	0.188	---	---	10
11	---	---	0.1088	6.84	0.482	0.351	0.211	0.024	0	0.183	---	---	11
12	---	---	0.1108	5.31	0.476	0.263	0.148	0.016	0	0.198	---	---	12
13	---	---	0.1238	4.72	0.500	0.222	0.132	0.016	0	0.229	---	---	13
14	---	---	0.1388	4.18	0.448	0.200	0.148	0.013	0	0.214	---	---	14
15	---	---	0.1508	3.77	0.419	0.236	0.126	0.013	0	0.227	---	---	15
16	---	---	0.1308	3.47	0.345	0.218	0.115	0.011	0	0.327	---	---	16
17	---	---	0.1358	3.05	0.330	0.174	0.092	0.030	0	0.320	---	---	17
18	---	---	0.1608	2.63	0.283	0.174	0.093	0.048	0	0.294	---	---	18
19	---	---	0.1508	2.47	0.252	0.148	0.132	0.033	0	0.278	---	---	19
20	---	---	0.1448	2.31	0.238	0.122	0.131	0.024	0	0.371	---	---	20
21	---	---	0.1388	1.86	0.210	0.125	0.148	0.019	0	0.283	---	---	21
22	---	---	0.1568	1.70	0.204	0.144	0.137	0.016	0.044	0.243	---	---	22
23	---	---	0.1768	1.53	0.190	0.147	0.148	0.014	0.138	0.237	---	---	23
24	---	---	0.2048	1.37	0.177	0.137	0.170	0.008	0.077	0.227	---	---	24
25	---	---	0.2208	1.37	0.172	0.138	0.184	0.003	0.083	0.220	---	---	25
26	---	---	0.2208	1.32	0.182	0.141	0.130	0.002	0.038	0.284	---	---	26
27	---	---	0.2108	1.19	0.188	0.187	0.147	0.003	0.026	0.246	---	---	27
28	---	---	0.1708	1.08	0.238	0.183	0.128	0	0.028	0.233	---	---	28
29	---		0.1748	1.01	0.283	0.131	0.111	0	0.022	0.287	---	---	29
30	---		0.2188	0.947	1.24	0.118	0.052	0	0.020	0.328	---	---	30
31	---		0.3708		1.41		0.070	0		0.289	---	---	31
TOTAL	---	---	4.624	105.089	15.203	10.905	4.030	0.704	0.450	8.149	---	---	TOTAL
MEAN	---	---	0.149	3.50	0.490	0.364	0.130	0.023	0.015	0.196	---	---	MEAN
MAX	---	---	0.370	10.8	1.41	1.18	0.211	0.079	0.138	0.327	---	---	MAX
MIN	---	---	0.084	0.682	0.162	0.118	0.052	0	0	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.801
MAXIMUM DAILY, 10.8 ON APR 8
MINIMUM DAILY, 0 ON AUG 28
MAXIMUM INSTANTANEOUS,
13.1 AT 20:00 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 09 N
LONG 100 14 58 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	80 8
MAR	600	SEP	38 9
APR	9 080	OCT	531
MAY	1 310	NOV	---
JUN	942	DEC	---

TOTAL DISCHARGE, 12 700 dam³

GAUER RIVER BELOW THORSTEINSON LAKE - STATION NO. 05PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.28	13.58	13.28	13.28	71.8	87.6	52.7	38.5E	34.4E	34.7	37.3	21.0B	1
2	15.18	13.58	13.28	13.28	72.5	82.1	51.2	38.2E	34.9E	37.3	38.4	20.4B	2
3	15.18	13.58	13.28	13.28	73.1	84.8	51.8	38.6E	35.1E	37.6	38.4	20.1B	3
4	15.08	13.58	13.28	13.28	74.0	86.7	49.5	38.2E	35.8E	38.7	38.8	19.9B	4
5	15.08	13.48	13.28	13.28	73.9	88.7	48.0	37.9E	37.9E	38.9	38.9B	19.8B	5
6	14.98	13.48	13.28	13.28	74.0	88.6	46.6	37.7E	39.3E	38.5	38.3B	19.2B	6
7	14.88	13.38	13.28	13.28	74.4	87.6	46.3E	37.0E	40.6E	35.5	34.3B	19.1B	7
8	14.88	13.38	13.28	13.28	72.2	86.1	47.9E	36.7E	41.5E	35.2	33.6B	18.5B	8
9	14.88	13.38	13.28	13.28	75.4	85.8	46.8E	36.6A	42.1E	34.9	33.0B	18.2B	9
10	14.68	13.38	13.28	13.28	76.7	85.5	46.1E	36.1	42.4E	34.9	32.4B	18.1B	10
11	14.48	13.38	13.28	13.28	75.9	83.2	47.4E	35.8	42.7E	39.1	31.8B	18.0B	11
12	14.48	13.28	13.28	13.28	75.5	82.7	47.0E	35.3	42.7E	39.2	30.9B	17.9B	12
13	14.48	13.28	13.28	13.28	73.2	81.8	48.0E	34.8	42.7E	39.3	30.2B	17.5B	13
14	14.48	13.28	13.28	13.28	76.1	80.5	46.3E	35.8	42.3E	38.8	29.5B	17.2B	14
15	14.48	13.28	13.28	13.28	75.5	80.2	46.2E	35.0	42.0E	39.1	29.2B	17.2B	15
16	14.48	13.28	13.28	13.28	74.5	80.6	45.8E	34.6	41.3A	40.0	28.3B	17.1B	16
17	14.48	13.28	13.28	13.28	76.1	85.4	45.2E	32.6	41.0	40.1	27.5B	17.0B	17
18	14.38	13.28	13.28	13.68	78.1	84.2	44.8E	31.5	41.2	38.7	27.1B	17.0B	18
19	14.28	13.28	13.28	14.18	73.7	87.3	44.3	32.2	41.2	39.8	26.4B	17.0B	19
20	14.28	13.28	13.28	15.18	70.4	84.4	43.9	32.8E	42.8	38.2	25.8B	17.0B	20
21	14.18	13.28	13.28	16.68	76.2	83.3	43.4	31.9E	42.8	37.5	25.1B	17.0B	21
22	14.18	13.28	13.28	19.68	74.7	48.3	44.3	31.4E	39.0	37.3	24.8B	17.0B	22
23	14.18	13.28	13.28	28.78	73.5	48.7	41.3	31.0E	38.1	37.4	24.4B	17.0B	23
24	14.18	13.28	13.28	40.28	72.4	51.8	43.5	30.4E	39.0	37.4	23.8B	17.0B	24
25	14.08	13.28	13.28	50.48	73.8	50.4	42.3	29.8E	41.4	36.8	23.3B	17.0B	25
26	14.08	13.28	13.28	62.3	72.0	48.4	41.8	29.5E	41.6	38.8	22.8B	17.0B	26
27	13.98	13.28	13.28	66.0	70.4	50.1	40.9	29.5E	38.4	38.8	22.5B	17.0B	27
28	13.88	13.28	13.28	67.1	68.7	51.8	40.8E	29.8E	38.6	38.7	21.9B	17.0B	28
29	13.78		13.28	70.3	66.4	52.4	40.2E	30.6E	38.0	38.7	21.6B	17.0B	29
30	13.68		13.28	71.7	67.6	53.3	39.4E	33.2E	39.8	38.9	21.2B	17.0B	30
31	13.58		13.28		67.7		38.8E	34.0E		39.1		17.0B	31
TOTAL	445.2	371.7	409.2	789.0	2 288.3	1 785.7	1 408.5	1 058.1	1 197.6	1 173.6	888.5	584.1	TOTAL
MEAN	14.4	13.3	13.2	26.3	73.1	58.9	45.5	34.1	39.9	37.9	29.0	17.9	MEAN
MAX	15.2	13.5	13.2	71.7	78.7	88.7	52.7	38.5	42.8	40.1	37.3	21.0	MAX
MIN	13.5	13.3	13.2	13.2	66.4	48.7	38.8	29.5	34.4	34.7	21.2	17.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.5
MAXIMUM DAILY, 78.7 ON MAY 10
MINIMUM DAILY, 13.28 ON FEB 12
MAXIMUM INSTANTANEOUS,
78.5 AT 08:42 CST ON MAY 10

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 09 N
LONG 97 31 24 W
DRAINAGE AREA, 5 980 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 500	JUL	122 000
FEB	32 100	AUG	91 200
MAR	35 400	SEP	103 000
APR	68 800	OCT	101 000
MAY	155 000	NOV	75 000
JUN	153 000	DEC	47 800

TOTAL DISCHARGE, 1 080 000 dam³

CIMBY CREEK NEAR CARTWRIGHT - STATION NO. 05OA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.95 B	0.055	0.005	---	---	---	---	---	---	1
2	---	---	0 B	4.65 B	0.047	0.002	---	---	---	---	---	---	2
3	---	---	0 B	4.76 B	0.038	0	---	---	---	---	---	---	3
4	---	---	0 B	4.86 B	0.038	0	---	---	---	---	---	---	4
5	---	---	0 B	4.95 B	0.038	0	---	---	---	---	---	---	5
6	---	---	0 B	3.82	0.032	0	---	---	---	---	---	---	6
7	---	---	0 B	2.78	0.032	0	---	---	---	---	---	---	7
8	---	---	0 B	2.38	0.030	0	---	---	---	---	---	---	8
9	---	---	0 B	2.11	0.024	0	---	---	---	---	---	---	9
10	---	---	0 B	1.82	0.021	0	---	---	---	---	---	---	10
11	---	---	0 B	1.23	0.018	0	---	---	---	---	---	---	11
12	---	---	0 B	1.07	0.015	0	---	---	---	---	---	---	12
13	---	---	0 B	0.908	0.012	0	---	---	---	---	---	---	13
14	---	---	0 B	0.775	0.008	0	---	---	---	---	---	---	14
15	---	---	0 B	0.670	0.004	0	---	---	---	---	---	---	15
16	---	---	0 B	0.579	0.002	0	---	---	---	---	---	---	16
17	---	---	0 B	0.508	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0.456	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0.415	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0.383	0	0	---	---	---	---	---	---	20
21	---	---	0.0018	0.348	0.002	0	---	---	---	---	---	---	21
22	---	---	0.0018	0.283	0	0	---	---	---	---	---	---	22
23	---	---	0.0018	0.220	0	0	---	---	---	---	---	---	23
24	---	---	0.0035	0.178	0	0	---	---	---	---	---	---	24
25	---	---	0.0078	0.133	0	0	---	---	---	---	---	---	25
26	---	---	1.88 B	0.118	0	0	---	---	---	---	---	---	26
27	---	---	4.47 B	0.087	0.001	0	---	---	---	---	---	---	27
28	---	---	5.38 B	0.082	0.004	0	---	---	---	---	---	---	28
29	---		5.26 B	0.072	0.016	0	---	---	---	---	---	---	29
30	---		5.15 B	0.065	0.011	0	---	---	---	---	---	---	30
31	---		5.04 B		0.005		---	---	---	---	---	---	31
TOTAL	---	---	31.173	45.380	0.450	0.007	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.01	1.51	0.015	0	---	---	---	---	---	---	MEAN
MAX	---	---	5.47	4.95	0.055	0.005	---	---	---	---	---	---	MAX
MIN	---	---	0	0.065	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.531
MAXIMUM DAILY, 5.47B ON MAR 27
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 98 31 00 W
DRAINAGE AREA, 220 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	3 890	SEP	---
APR	3 920	OCT	---
MAY	38.9	NOV	---
JUN	0.50	DEC	---

TOTAL DISCHARGE, 8 850 dam³

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO 04AC005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	179.554	179.473	179.388	179.430	179.508	179.558	---	179.671	179.663	179.646	179.602	1
2	---	179.554	179.478	179.388	179.435	179.516	179.555	---	179.689	179.687	179.644	179.601	2
3	---	179.551	179.476	179.385	179.437	179.521	179.540	---	179.682	179.709	179.659	179.599	3
4	---	179.548	179.479	179.383	179.446	179.532	179.541	---	179.676	179.673	179.630	179.594	4
5	---	179.549	179.486	179.378	179.445	179.532	179.545	---	179.681	179.656	179.627	179.592	5
6	---	179.545	179.476	179.371	179.449	179.520	179.558	---	179.686	179.663	179.632	179.589	6
7	---	179.536	179.473	179.369	179.457	179.517	179.537	---	179.682	179.669	179.625	179.586	7
8	---	179.535	179.483	179.386	179.454	179.531	179.528	---	179.689	179.662	179.618	179.584	8
9	---	179.536	179.458	179.382	179.447	179.534	179.553	---	179.690	179.663	179.614	179.604	9
10	---	179.528	179.456	179.389	179.462	179.541	179.542	---	179.684	179.670	179.626	179.587	10
11	---	179.534	179.447	179.388	179.471	179.544	179.533A	---	179.688	179.667	179.622	179.594	11
12	---	179.529	179.441	179.388	179.472	179.555	---	---	179.686	179.673	179.621	179.595	12
13	---	179.521	179.440	179.385	179.486	179.558	---	---	179.701	179.678	179.614	179.594	13
14	---	179.512	179.427	179.358	179.480	179.558	---	---	179.701	179.685	179.614	179.592	14
15	---	179.506	179.428	179.386	179.486	179.551	---	---	179.688	179.671	179.620	179.590	15
16	---	179.501	179.430	179.388	179.458	179.545	---	---	179.701	179.685	179.638	179.591	16
17	---	179.503	179.427	179.387	179.461	179.548	---	---	179.700A	179.703	179.628	179.588	17
18	---	179.493	179.428	179.374	179.461	179.557	---	179.700A	179.698A	179.703	179.629	179.586	18
19	---	179.484	179.432	179.378	179.458	179.548	---	179.698A	179.703	179.683	179.631	179.583	19
20	---	179.486	179.428	179.401	179.452	179.566	---	179.696	179.703	179.658	179.628	179.575	20
21	---	179.497	179.421	179.403	179.484	179.543	---	179.694	179.704	179.651	179.623	179.584	21
22	---	179.494	179.418	179.404	179.458	179.564	---	179.691	179.711	179.658	179.616	179.588	22
23	179.561A	179.489	179.413	179.409	179.458	179.573	---	179.690	179.703	179.658	179.623	179.582	23
24	179.565	179.488	179.405	179.408	179.483	179.560	---	179.687	179.695	179.652	179.621	179.585	24
25	179.567	179.484	179.405	179.398	179.489	179.560	---	179.678	179.696	179.671	179.606	179.583	25
26	179.572	179.486	179.398	179.409	179.474	179.530	---	179.687	179.694	179.690	179.607	179.580	26
27	179.568	179.484	179.395	179.420	179.475	179.538	---	179.690	179.682	179.684	179.614	179.574	27
28	179.569	179.476	179.398	179.422	179.473	179.534	---	179.685	179.696	179.680	179.617	179.573	28
29	179.561		179.398	179.424	179.485	179.535	---	179.688	179.694	179.644	179.612	179.571	29
30	179.558		179.395	179.424	179.486	179.540	---	179.691	179.678	179.641	179.610	179.586	30
31	179.553		179.390		179.513		---	179.683	179.687	179.637	179.602	179.588	31
										179.841		179.570	
MEAN	---	179.515	179.436	179.385	179.462	179.543	---	---	179.693	179.684	179.623	179.587	MEAN
MAX	---	179.554	179.486	179.424	179.513	179.581	---	---	179.711	179.709	179.659	179.604	MAX
MIN	---	179.479	179.390	179.356	179.430	179.508	---	---	179.671	179.637	179.602	179.586	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 179.356 ON APR 15

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 47 N
LONG 94 05 00 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1940 ADJ.)
APPLY -.001 750 M ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS RIVER BELOW ALLEN RAPIDS - STATION NO 04AC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	134E	125E	116E	105E	115	123	129	---	144	143	141	135	1
2	134E	125E	115E	105E	115	124	130	---	145	147	140	135	2
3	133E	125E	115E	104E	116	125	132	---	145	148	142	134	3
4	133E	124E	115E	104E	117	126	132	---	145	144	138	134	4
5	133E	124E	114E	104E	116	126	130	---	145	142	136	133	5
6	132E	124E	114E	103E	117	126	134	---	146	143	139	133E	6
7	132E	123E	114E	103E	116	124	139	---	146	143	138	133E	7
8	132E	123E	113E	103E	117	125	140	---	146	143	137	133E	8
9	132E	123E	113E	103E	117	126	141	---	145	143	137	132E	9
10	131E	122E	113E	103E	117	127	140	---	145	144	136	132E	10
11	131E	122E	112E	103E	119	127	139A	---	146	143	137	132E	11
12	131E	122E	112E	104E	119	128	---	---	147	144	137	132E	12
13	131E	121E	112E	104E	119	130	---	---	148	145	136	132E	13
14	130E	121E	111E	105E	118	129	---	---	148	143	136	131E	14
15	130E	121E	111E	105E	119	128	---	---	147	144	137	131E	15
16	130E	120E	111E	107	118	128	---	---	148	143	139	131E	16
17	130E	120E	110E	108	118	130	---	148A	148	144	136	130E	17
18	129E	120E	110E	109	118	129	---	147A	148	143	139	130E	18
19	129E	120E	110E	109	118	128	---	147	148	142	136	130E	19
20	129A	119E	109E	112	117	130	---	147	148	141	137	130E	20
21	129E	119E	108E	112	117	127	---	146	148	142	137	129E	21
22	128E	118E	108E	112	118	130	---	145	148	142	137	129E	22
23	128E	118E	108E	112	118	131	---	146	147	141	137	129E	23
24	128E	118E	108E	112	118	132	---	146	147	144	136	129E	24
25	127E	118E	108E	111	119	129	---	146	147	146	135	128E	25
26	127E	117E	107E	113	120	126	---	146	146	141	136	128E	26
27	127E	117E	107E	114	120	126	---	146	147	140	137	128E	27
28	126E	117E	106E	114	119	126	---	146	147	140	136	128E	28
29	126E		106E	114	122	126	---	146	145	140	136	127E	29
30	126E		106E	114	122	127	---	142	146	139	135	127E	30
31	125E		105E		124		---	145		140		127E	31
TOTAL	4 023	3 387	3 429	3 232	3 695	3 819	---	---	4 389	4 428	4 124	4 052	TOTAL
MEAN	130	121	111	108	119	127	---	---	147	143	137	131	MEAN
MAX	134	125	116	114	124	132	---	---	148	148	142	135	MAX
MIN	125	117	105	103	115	123	---	---	144	139	135	127	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 103E ON APR 6

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 14 N
LONG 94 05 11 W
DRAINAGE AREA, 25 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348 000	JUL	---
FEB	293 000	AUG	---
MAR	296 000	SEP	380 000
APR	279 000	OCT	383 000
MAY	319 000	NOV	356 000
JUN	330 000	DEC	350 000

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2308	1918	1778	1738	---	---	---	---	508	449	3858	2738	1
2	2298	1908	1778	1738	---	---	---	---	508	448	3898	2718	2
3	2268	1908	1768	1738	---	---	---	---	501	450	3678	2668	3
4	2258	1908	1768	1738	---	---	---	---	508	448	3638	2668	4
5	2238	1898	1768	1738	---	---	---	---	529	454	3468	2638	5
6	2228	1898	1768	1738	832A	---	---	---	550	448	3468	2818	6
7	2218	1888	1758	1738	---	---	---	---	587	446	340	2588	7
8	2208	1878	1758	1738	---	---	---	---	602	433	257	2568	8
9	2178	1868	1758	1738	---	---	---	---	638	428	300	2538	9
10	2168	1858	1758	1738	---	---	---	---	656	428	3338	2518	10
11	2158	1858	1758	---	---	---	---	---	689	427	3308	2498	11
12	2138	1858	1758	---	---	---	---	---	707	412	3278	2468	12
13	2128	1848	1748	---	---	---	---	---	707	411	3248	2468	13
14	2118	1848	1748	---	---	---	---	388A	713	415	3208	2448	14
15	2098	1838	1748	---	---	---	---	384	711	412	3188	2428	15
16	2078	1838	1748	---	---	---	---	378	698	408	3158	2398	16
17	2068	1828	1738	---	---	---	---	422	683	387	3128	2378	17
18	2068	1828	1738	---	---	---	---	453	658	387	3088	2358	18
19	2038	1818	1738	---	---	---	---	467	631	418	3078	2348	19
20	2028	1818	1738	---	---	---	---	488	618	420	3038	2328	20
21	2018	1808	1738	---	---	---	---	467	593	422	3008	2308	21
22	2008	1808	1738	---	---	---	---	475	577	421	2988	2288	22
23	2008	1808	1738	---	---	---	---	484	584	422	2958	2278	23
24	1998	1798	1738	---	---	---	---	457	580	405	2828	2258	24
25	1988	1788	1738	---	---	---	---	447	531	401	2898	2248	25
26	1978	1788	1738	---	---	---	---	458	508	408	2878	2238	26
27	1968	1788	1738	---	---	---	---	453	496	410	2838	2218	27
28	1958	1778	1738	---	---	---	---	453	481	377	2818	2198	28
29	1948		1738	---	---	---	---	458	485	3788	2788	2188	29
30	1938		1738	---	---	---	---	482	483	3718	2798	2188	30
31	1928		1738		---			508		3678		2158	31
TOTAL	6 477	5 145	5 389	---	---	---	---	---	17 829	12 840	9 402	7 472	TOTAL
MEAN	208	184	174	---	---	---	---	---	588	417	313	241	MEAN
MAX	230	181	177	---	---	---	---	---	713	454	385	273	MAX
MIN	182	177	173	---	---	---	---	---	483	367	257	215	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W
DRAINAGE AREA, 65 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	580 000	JUL	---
FEB	445 000	AUG	---
MAR	485 000	SEP	1 520 000
APR	---	OCT	1 120 000
MAY	---	NOV	812 000
JUN	---	DEC	646 000

GOPHER CREEK NEAR GLADSTONE - STATION NO. 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0808	0.005	0	---	---	---	---	---	---	1
2	---	---	0 B	0.1188	0.005	0	---	---	---	---	---	---	2
3	---	---	0 B	0.5388	0.005	0	---	---	---	---	---	---	3
4	---	---	0 B	0.7918	0.004	0	---	---	---	---	---	---	4
5	---	---	0 B	0.7228	0.003	0	---	---	---	---	---	---	5
6	---	---	0 B	0.447	0.005	0	---	---	---	---	---	---	6
7	---	---	0 B	0.743	0.004	0	---	---	---	---	---	---	7
8	---	---	0 B	1.87	0.003	0	---	---	---	---	---	---	8
9	---	---	0 B	0.801	0.002	0	---	---	---	---	---	---	9
10	---	---	0 B	0.422	0.002	0	---	---	---	---	---	---	10
11	---	---	0 B	0.182	0.002	0	---	---	---	---	---	---	11
12	---	---	0 B	0.080	0.002	0	---	---	---	---	---	---	12
13	---	---	0 B	0.043	0.002	0	---	---	---	---	---	---	13
14	---	---	0 B	0.029	0.002	0	---	---	---	---	---	---	14
15	---	---	0 B	0.023	0.001	0	---	---	---	---	---	---	15
16	---	---	0 B	0.016	0.001	0	---	---	---	---	---	---	16
17	---	---	0 B	0.013	0.002	0	---	---	---	---	---	---	17
18	---	---	0 B	0.011	0.002	0	---	---	---	---	---	---	18
19	---	---	0 B	0.010	0.002	0	---	---	---	---	---	---	19
20	---	---	0 B	0.009	0.002	0	---	---	---	---	---	---	20
21	---	---	0 B	0.008	0.002	0	---	---	---	---	---	---	21
22	---	---	0 B	0.008	0.002	0	---	---	---	---	---	---	22
23	---	---	0.0318	0.007	0.001	0	---	---	---	---	---	---	23
24	---	---	0.0388	0.007	0.001	0	---	---	---	---	---	---	24
25	---	---	0.0818	0.008	0	0	---	---	---	---	---	---	25
26	---	---	0.2988	0.008	0	0	---	---	---	---	---	---	26
27	---	---	0.3898	0.005	0.001	0	---	---	---	---	---	---	27
28	---	---	0.2318	0.005	0.002	0	---	---	---	---	---	---	28
29	---		0.1548	0.005	0.003	0	---	---	---	---	---	---	29
30	---		0.1188	0.005	0.002	0	---	---	---	---	---	---	30
31	---		0.0908		0.001		---	---	---	---	---	---	31
TOTAL	---	---	1.395	5.815	0.078	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.045	0.227	0.003	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.395	1.87	0.005	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0.005	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 1.87 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.21 AT 03 37 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 27 N
LONG 98 58 35 W
DRAINAGE AREA, 73.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	121	SEP	---
APR	589	OCT	---
MAY	5 57	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 717 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.08 B	0.052	0.116	0	0	0	0	---	---	1
2	---	---	0 B	3.56 B	0.048	0.118	0	0	0	0	---	---	2
3	---	---	0 B	4.62 B	0.045	0.112	0	0	0	0	---	---	3
4	---	---	0 B	4.80 B	0.052	0.102	0	0	0	0	---	---	4
5	---	---	0 B	4.16	0.044	0.083	0	0	0	0	---	---	5
6	---	---	0 B	3.20	0.040	0.058	0	0	0	0	---	---	6
7	---	---	0 B	2.02	0.035	0.031	0	0	0	0	---	---	7
8	---	---	0 B	1.27	0.033	0.011	0	0	0	0	---	---	8
9	---	---	0 B	0.831	0.027	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.856	0.024	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.515	0.018	0.021	0	0	0	0	---	---	11
12	---	---	0 B	0.428	0.013	0.077	0	0	0	0	---	---	12
13	---	---	0 B	0.318	0.008	0.092	0	0	0	0	---	---	13
14	---	---	0 B	0.239	0.002	0.077	0	0	0	0	---	---	14
15	---	---	0 B	0.256	0.001	0.056	0	0	0	0	---	---	15
16	---	---	0 B	0.230	0.001	0.031	0	0	0	0	---	---	16
17	---	---	0 B	0.211	0.008	0.019	0	0	0	0	---	---	17
18	---	---	0 B	0.152	0.002	0.003	0	0	0	0	---	---	18
19	---	---	0 B	0.117	0.001	0	0	0	0	0	---	---	19
20	---	---	0.0838	0.108	0.003	0	0	0	0	0	---	---	20
21	---	---	0.2068	0.097	0.007	0	0	0	0	0	---	---	21
22	---	---	0.1998	0.097	0.012	0	0	0	0	0	---	---	22
23	---	---	0.7428	0.091	0.015	0	0	0	0	0	---	---	23
24	---	---	1.05 B	0.087	0.014	0	0	0	0	0	---	---	24
25	---	---	0.7848	0.082	0.014	0	0	0	0	0	---	---	25
26	---	---	0.8638	0.074	0.014	0	0	0	0	0	---	---	26
27	---	---	1.37 B	0.072	0.019	0	0	0	0	0	---	---	27
28	---	---	1.28 B	0.078	0.028	0	0	0	0	0	---	---	28
29	---		1.31 B	0.070	0.088	0	0	0	0	0	---	---	29
30	---		0.9588	0.080	0.103	0	0	0	0	0	---	---	30
31	---		0.8828		0.157		0	0		0	---	---	31
TOTAL	---	---	9.387	31.575	0.904	1.009	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.303	1.05	0.029	0.034	0	0	0	0	---	---	MEAN
MAX	---	---	1.37	4.80	0.157	0.118	0	0	0	0	---	---	MAX
MIN	---	---	0	0.080	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.175
MAXIMUM DAILY, 4.80B ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.728 AT 08:17 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 282 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	811	SEP	0
APR	2 730	OCT	0
MAY	78.1	NOV	---
JUN	87.2	DEC	---

TOTAL DISCHARGE 3 710 dam³

GRACE LAKE NEAR THE PAS - STATION NO. 05KJ002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	280.243	280.229	280.239	280.158	280.135	280.116	280.118	280.087	---	---	1
2	---	---	280.245	280.225	280.235	280.156	280.133	280.110	280.119	280.088	---	---	2
3	---	---	280.245	280.221	280.224	280.154	280.128	280.104	280.114	280.087	---	---	3
4	---	---	280.244	280.217	280.222	280.161	280.129	280.097	280.110	280.084	---	---	4
5	---	---	280.245	280.217	280.217	280.161	280.136	280.105	280.110	280.109	---	---	5
6	---	---	280.246	280.218	280.214	280.165	280.138	280.116	280.106	280.111	---	---	6
7	---	---	280.245	280.225	280.212	280.163	280.136	280.114	280.103	280.122	---	---	7
8	---	---	280.243	280.230	280.198A	280.160	280.141	280.113	280.113	280.130	---	---	8
9	---	---	280.245	280.228	280.198E	280.164	280.142	280.112	280.118	280.117	---	---	9
10	---	---	280.245	280.227	280.198E	280.162	280.145	280.122	280.117	280.120	---	---	10
11	---	---	280.245	280.228	280.198E	280.160	280.144	280.133	280.113	280.124	---	---	11
12	---	---	280.245	280.232	280.198A	280.164	280.141	280.128	280.113	280.128	---	---	12
13	---	---	280.247	280.230	280.195	280.151	280.136	280.131	280.112	280.101	---	---	13
14	---	---	280.247	280.232	280.195	280.142	280.139	280.136	280.111	280.117	---	---	14
15	---	---	280.248	280.234	280.185	280.144	280.136	280.140	280.113	280.123	---	---	15
16	---	---	280.249	280.234	280.182	280.147	280.132	280.143	280.108	280.129	---	---	16
17	---	---	280.249	280.241	280.181	280.142	280.133	280.142	280.113	280.124	---	---	17
18	---	---	280.256	280.240	280.177	280.142	280.135	280.141	280.115	280.118	---	---	18
19	---	---	280.263	280.241	280.175	280.142	280.132	280.137	280.113	280.124	---	---	19
20	---	---	280.268	280.243	280.160	280.141	280.131	280.138	280.113	280.128	---	---	20
21	---	---	280.276	280.244	280.164	280.142	280.131	280.138	280.110	280.131	---	---	21
22	---	---	280.277	280.241	280.162	280.143	280.132	280.138	280.108	280.126	---	---	22
23	---	---	280.276	280.241	280.158	280.140	280.128	280.131	280.104	280.135	---	---	23
24	---	---	280.276	280.243	280.159	280.131	280.130	280.133	280.104	280.127	---	---	24
25	---	---	280.273	280.242	280.160	280.130	280.131	280.133	280.103	280.130	---	---	25
26	---	---	280.269	280.234	280.156	280.131	280.133	280.128	280.106	280.122	---	---	26
27	---	---	280.262	280.241	280.159	280.130	280.127	280.127	280.105	280.129	---	---	27
28	---	---	280.256	280.238	280.165	280.128	280.127	280.124	280.098	280.130	---	---	28
29	---		280.250	280.238	280.169	280.123	280.128	280.123	280.090	280.125	---	---	29
30	---		280.246	280.238	280.177	280.120	280.134	280.120	280.089	280.128	---	---	30
31	---		280.237		280.171		280.130	280.115		280.130A			31
MEAN	---	---	280.254	280.233	280.167	280.147	280.133	280.125	280.109	280.119	---	---	MEAN
MAX	---	---	280.277	280.244	280.239	280.166	280.145	280.143	280.119	280.135	---	---	MAX
MIN	---	---	280.237	280.217	280.158	280.120	280.120	280.087	280.089	280.087	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.277 ON MAR 22

MAXIMUM INSTANTANEOUS
280.280 AT 19:08 CST ON MAR 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 00 N
LONG 101 12 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1955

GRAHAM CREEK NEAR MELITA - STATION NO. 05NF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.671	0.015	0	0	0	0	0	---	---	1
2	---	---	0 B	0.730	0.018	0	0	0	0	0	---	---	2
3	---	---	0 B	0.713	0.016	0	0	0	0	0	---	---	3
4	---	---	0 B	0.600	0.015	0	0	0	0	0	---	---	4
5	---	---	0 B	0.511	0.012	0	0	0	0	0	---	---	5
6	---	---	0 B	0.570	0.008	0	0	0	0	0	---	---	6
7	---	---	0 B	0.614	0.012	0	0	0	0	0	---	---	7
8	---	---	0 B	0.588	0.012	0	0	0	0	0	---	---	8
9	---	---	0 B	0.570	0.010	0	0	0	0	0	---	---	9
10	---	---	0 B	0.488	0.008	0	0	0	0	0	---	---	10
11	---	---	0 B	0.376	0.007	0	0	0	0	0	---	---	11
12	---	---	0 B	0.311	0.007	0	0	0	0	0	---	---	12
13	---	---	0 B	0.255	0.008	0	0	0	0	0	---	---	13
14	---	---	0 B	0.404	0.006	0	0	0	0	0	---	---	14
15	---	---	0 B	0.335	0.004	0	0	0.002	0	0	---	---	15
16	---	---	0 B	0.280	0.005	0	0	0	0	0	---	---	16
17	---	---	0 B	0.217	0.004	0	0	0.001	0	0	---	---	17
18	---	---	0 B	0.188	0.003	0	0	0.001	0	0	---	---	18
19	---	---	0 B	0.140	0.003	0	0	0	0	0	---	---	19
20	---	---	0 B	0.131	0.003	0	0	0	0	0	---	---	20
21	---	---	0.4828	0.073	0.004	0	0	0	0	0	---	---	21
22	---	---	3.70 B	0.058	0.003	0	0	0	0	0	---	---	22
23	---	---	2.65 B	0.040	0.001	0	0	0	0	0	---	---	23
24	---	---	2.18 B	0.034	0	0	0	0	0	0	---	---	24
25	---	---	1.78 B	0.034	0	0	0	0	0	0	---	---	25
26	---	---	1.64 B	0.031	0	0	0	0	0	0	---	---	26
27	---	---	1.41 B	0.028	0	0	0	0	0	0	---	---	27
28	---	---	1.15	0.020	0.001	0	0	0	0	0	---	---	28
29	---		0.815	0.018	0.002	0	0	0	0	0	---	---	29
30	---		0.598	0.015	0.002	0	0	0	0	0	---	---	30
31	---		0.590		0		0	0		0		---	31
TOTAL	---	---	17.187	9.587	0.188	0	0	0.004	0	0	---	---	TOTAL
MEAN	---	---	0.554	0.320	0.008	0	0	0	0	0	---	---	MEAN
MAX	---	---	3.70	0.670	0.018	0	0	0.002	0	0	---	---	MAX
MIN	---	---	0	0.015	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.110
MAXIMUM DAILY, 3.708 ON MAR 22
MINIMUM DAILY, 0 B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.118 AT 06:55 CST ON MAR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 59 45 W
DRAINAGE AREA, 734 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0.35
MAR	1 480	SEP	0
APR	829	OCT	0
MAY	16.2	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 330 dam³

GRANVILLE LAKE AT PICKEREL NARROWS - STATION NO. 05EB002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.838	259.841	259.811	259.814	260.012	260.231	260.096	259.896	259.721	259.686	259.679	259.705	1
2	259.842	259.835	259.811	259.814	260.035	260.213	260.080	259.908	259.720	259.687	259.676	259.708	2
3	259.846	259.831	259.817	259.818	260.058	260.227	260.057	259.878	259.721	259.696	259.665	259.706	3
4	259.853	259.833	259.826	259.814	260.078	260.221	260.072	259.874	259.722	259.696	259.644	259.707	4
5	259.854	259.829	259.827	259.811	260.098	260.237	260.056	259.869	259.724	259.690	259.692	259.712	5
6	259.854	259.831	259.820	259.810	260.115	260.230	260.048	259.861	259.724	259.686	259.672	259.710	6
7	259.856	259.831	259.817	259.810	260.131	260.234	260.041	259.856	259.724	259.682	259.673	259.715	7
8	259.859	259.819	259.814	259.805	260.135	260.231	260.032	259.854	259.731	259.681	259.671	259.722	8
9	259.861	259.819	259.814	259.807	260.181	260.228	260.033	259.853	259.732	259.685	259.670	259.721	9
10	259.860	259.818	259.818	259.814	260.173	260.225	260.021	259.845	259.725	259.683	259.674	259.725	10
11	259.859	259.815	259.815	259.809	260.187	260.232	260.012	259.841	259.728	259.688	259.680	259.718	11
12	259.861	259.810	259.814	259.807	260.203	260.241	260.005	259.811	259.729	259.684	259.679	259.719	12
13	259.859	259.809	259.815	259.803	260.211	260.224	259.988	259.802	259.726	259.681	259.679	259.723	13
14	259.862	259.809	259.818	259.802	260.222	260.230	259.989	259.810	259.716	259.687	259.682	259.724	14
15	259.856	259.808	259.818	259.798	260.221	260.226	259.986	259.811	259.722	259.659	259.687	259.722	15
16	259.860	259.808	259.820	259.795	260.230	260.232	259.990	259.807	259.722	259.650	259.689	259.721	16
17	259.859	259.808	259.821	259.794	260.238	260.214	259.989	259.779	259.719	259.651	259.685	259.720	17
18	259.851	259.811	259.823	259.794	260.238	260.206	259.972	259.760	259.720	259.639	259.689	259.721	18
19	259.850	259.814	259.827	259.802	260.248	260.202	259.968	259.748	259.718	259.650	259.687	259.726	19
20	259.854	259.815	259.826	259.807	260.242	260.197	259.951	259.773	259.717	259.652	259.688	259.725	20
21	259.852	259.813	259.828	259.815	260.248	260.189	259.942	259.781	259.712	259.649	259.696	259.727	21
22	259.844	259.811	259.831	259.828	260.248	260.183	259.930	259.764	259.705	259.656	259.696	259.732	22
23	259.842	259.806	259.827	259.840	260.248	260.176	259.921	259.746	259.710	259.683	259.695	259.728	23
24	259.843	259.805	259.824	259.855	260.249	260.170	259.911	259.750	259.704	259.648	259.700	259.729	24
25	259.848	259.803	259.822	259.872	260.244	260.163	259.902	259.743	259.708	259.652	259.701	259.735	25
26	259.845	259.803	259.825	259.898	260.243	260.147	259.897	259.740	259.706	259.631	259.702	259.737	26
27	259.844	259.805	259.820	259.918	260.242	260.142	259.906	259.738	259.700	259.656	259.705	259.740	27
28	259.843	259.810	259.820	259.941	260.234	260.128	259.907	259.734	259.685	259.659	259.706	259.744	28
29	259.850		259.820	259.984	260.232	260.116	259.907	259.719	259.675	259.659	259.707	259.743	29
30	259.848		259.823	259.988	260.229	260.104	259.901	259.715	259.692	259.671	259.705	259.740	30
31	259.844		259.818		260.226		259.899	259.722		259.682		259.738	31
MEAN	259.852	259.816	259.820	259.835	260.190	260.189	259.982	259.801	259.718	259.684	259.684	259.724	MEAN
MAX	259.862	259.841	259.831	259.988	260.249	260.241	260.096	259.908	259.732	259.696	259.707	259.744	MAX
MIN	259.838	259.803	259.811	259.794	260.012	260.104	259.897	259.715	259.675	259.631	259.644	259.705	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 259.857
MAXIMUM DAILY, 260.249 ON MAY 24
MINIMUM DAILY, 259.631 ON OCT 26
MAXIMUM INSTANTANEOUS,
260.287 AT 05:52 CST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 13 40 N
LONG 100 35 00 W

REGULATED SINCE 1928

DRAINAGE AREA,
244 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN HYDRO EXT.)

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO 07TD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	63.6	51.2	42.0	35.5	58.3E	81.6	93.0	87.6	71.1	57.7	49.6	41.5	1
2	63.4	50.4	42.3	35.1	59.2A	82.0	94.7	82.1	72.5	64.3	50.8	41.1	2
3	63.2	50.2	41.5	34.8A	61.8	82.1	97.6	86.6	69.7	63.4	50.8	41.1	3
4	62.3	50.0	41.5	34.6E	62.8	85.6	94.0	84.7	70.3	58.3	50.8	40.6	4
5	63.3	49.7	41.4	34.5E	61.4	84.8	91.5	86.2	71.6	58.0	49.8	40.1	5
6	62.4	49.4	40.5	34.3E	62.1	83.1	92.1	84.6	70.8	59.2	49.4	40.3	6
7	62.0	48.8	40.5	34.1E	62.5	82.8	92.5	85.2	71.8	58.4	48.6	39.9	7
8	61.8	48.7	40.3	34.0E	67.3	85.4	88.1	84.2	70.6	57.0	48.2	39.8	8
9	61.2	48.6	39.7	33.4E	62.4	86.0	85.3	82.5	70.5	61.8	47.6	39.8	9
10	60.7	47.8	39.3	33.7E	64.0	85.8	83.9	82.4	69.4	60.3	47.1	39.5	10
11	60.8	47.5	39.2	33.5E	66.1	85.4	88.6	78.9	70.3	57.5	46.9	39.3	11
12	60.0	47.2	38.9	33.3E	64.4A	87.1	87.4	84.9	70.4	57.9	46.5	39.2	12
13	59.9	47.0	38.5	33.3E	64.2E	88.4	87.7	86.2	70.5	59.8	46.4	39.1	13
14	59.8	46.3	38.2	33.3E	64.8E	88.5	87.9	82.3	69.4	57.0	45.7	38.8	14
15	58.8	45.7	37.7	33.9E	64.8E	86.7	88.4	80.7	68.9	58.7	45.5	38.7	15
16	57.8	45.7	37.7	34.7E	65.3E	82.5	86.3	78.9	67.8	55.6	44.1	38.3	16
17	57.9	45.6	37.6	34.7E	64.8E	88.1	85.9	80.3	68.0	56.4	45.8	37.9	17
18	57.6	45.1	37.3	35.1E	64.8A	88.8	86.3	80.2	67.4	56.4	45.3	37.8	18
19	56.9	44.8	37.6	37.7E	64.9A	87.0	86.2	80.2	67.3	52.6	45.3	37.5	19
20	56.8	44.8	37.6	38.2E	65.9A	85.7	86.1	79.4	67.5	53.5	44.6	37.8	20
21	56.2	44.4	37.6	40.7E	65.9	85.7	84.1	78.5	68.2	53.3	44.2	37.8	21
22	55.4	44.1	37.5	42.3E	70.0	82.9	86.2	78.5	68.2	53.3	44.2	37.8	21
23	54.8	43.4	37.2	44.7E	70.9E	84.7	86.4	77.4	66.7	52.3	44.5	37.4	22
24	54.0	43.2	36.9	46.0E	70.5E	89.5	84.2	78.2	65.5	51.3	44.0	37.4	23
25	53.5	42.8	36.1	47.4E	70.2A	92.6	83.5	78.7	65.6	50.1	43.3	37.0	24
26	53.3	42.6	36.0	49.0E	71.6	92.3	82.9	75.9	63.9	56.6	43.1	36.7	25
27	52.9	42.1	35.9	50.4E	72.8A	94.1	82.2	75.3	63.0	53.0	43.2	36.6	26
28	52.8	41.8	36.1	51.9E	70.6	93.9	80.0	74.3	63.6	51.7	42.8	36.4	27
29	52.5		36.0	53.1A	69.0	93.7	81.2	73.3	64.6	51.1	42.7	35.0	28
30	51.8		35.8	55.0	72.7	94.3	80.8	75.1	62.6	50.6	42.5	35.6	29
31	51.4		35.5	56.5E	75.5	94.6	80.5	73.7	60.6	50.5	42.0	35.8	30
					76.4		80.8	73.9		50.3		35.7	31
TOTAL	1 798.8	1 298.3	1 189.9	1 196.4	2 072.6	2 523.2	2 922.3	2 484.4	2 041.1	1 741.4	1 383.1	1 190.5	TOTAL
MEAN	58.0	46.4	38.4	39.9	66.8	84.1	94.3	80.5	68.0	56.2	46.1	38.4	MEAN
MAX	63.6	51.2	42.3	56.5	76.4	94.8	97.6	86.6	72.5	64.3	50.8	41.5	MAX
MIN	51.4	41.8	35.5	33.3	58.3	81.6	80.5	73.3	60.6	50.3	42.0	35.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 60.1
MAXIMUM DAILY, 98.4 ON JUL 15
MINIMUM DAILY, 33.3E ON APR 12
MAXIMUM INSTANTANEOUS,
102 AT 14:20 CST ON JUL 3

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	155 000	JUL	252 000
FEB	112 000	AUG	216 000
MAR	103 000	SEP	176 000
APR	103 000	OCT	150 000
MAY	179 000	NOV	119 000
JUN	227 000	DEC	103 000

TOTAL DISCHARGE, 1 800 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO 07TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.97E	9.54	9.36	8.89	12.6	14.0	13.8	12.6	9.19	7.29	5.94	4.90	1
2	9.93A	9.42	9.20	8.88	12.9	14.1E	13.9	11.9	9.17	7.62	5.87	4.74	2
3	9.95E	9.54	9.07	8.94	13.2	14.3E	14.0	11.8	8.82	7.58	5.10	4.69A	3
4	9.97E	9.60	9.40	8.83	13.4	14.4E	13.2	12.2	9.04	7.12	5.82	4.89E	4
5	9.98E	9.54	9.34	8.75	12.9	14.8E	13.0	11.8	9.05	7.18	5.77	4.67E	5
6	10.1 A	9.69	8.48	8.86	13.0	14.8E	13.0	11.6	9.06	6.99	5.67	4.67E	6
7	10.0 E	9.53	8.85	9.03	13.2	14.7E	13.4	11.5	9.05	6.89	5.67	4.65E	7
8	9.95E	9.78	8.78	8.82	13.4	14.7E	13.7	11.3	9.02	6.37	5.66	4.65E	8
9	9.88E	9.88	8.93	8.35	12.8	14.8E	13.8	10.8	9.06	6.88	5.50	4.63E	9
10	9.81E	9.84	8.98	8.70	12.9	14.8E	13.6	10.8	8.92	6.85	5.57	4.83A	10
11	9.73E	9.73	9.00	8.93	13.3	14.9E	14.0	10.7	9.02	6.58	5.54	4.77	11
12	9.68E	9.23	8.93	9.16	12.8	14.8E	14.1	11.8	8.76	6.84	5.58	4.81	12
13	9.58E	9.41	8.88	9.13	12.9	14.9E	14.1	11.3	8.80	6.79	5.42	4.81	13
14	9.51A	9.39	8.86	9.14	12.9	14.9E	14.1	11.1	8.74	6.47	5.23	4.75	14
15	9.47E	9.55	8.98	9.31	13.4	15.0E	14.1	10.9	8.48	6.34	5.49	4.67	15
16	9.43E	9.68	9.13	9.57	13.0	15.0E	13.9	11.0	8.53	6.41	5.62	4.66	16
17	9.39E	9.88	9.05	10.1	13.2	14.9E	14.1	11.0	8.88	6.44	5.45	4.67	17
18	9.34E	9.70	9.11	10.3	13.5	14.9E	14.0	10.9	8.72	6.38	5.45	4.72	18
19	9.30E	9.81	9.33	10.4	13.0	14.9E	13.9	10.7	8.86	6.05	5.36	4.76	19
20	9.28E	9.72	9.37	11.3	12.6	14.9E	14.4	10.7	8.70	6.10	5.08	4.81	20
21	9.22A	9.75	9.43	11.7	13.0	14.8E	14.6	10.3	8.71	6.06	5.28	4.74	21
22	9.24E	9.63	9.25	11.8	13.3	14.9A	14.6	10.2	8.54	6.09	5.19	4.70	22
23	9.28E	9.50	9.22	11.9	12.9	15.2	14.2	10.2	8.18	6.09	5.02	4.68A	23
24	9.27E	9.25	9.34	11.9	12.7	15.2	13.8	9.83	8.11	6.53	5.07	4.64E	24
25	9.28E	9.22	9.25	12.1	12.5	15.1	13.8	9.76	8.11	6.33	5.19	4.64E	25
26	9.30E	9.38	9.08	12.8	12.2	15.1	13.7	9.79	7.98	6.14	5.20	4.63E	26
27	9.31A	9.20	8.76	12.6	12.0	14.8	13.6	9.72	7.78	6.00	5.23	4.62E	27
28	9.24	9.11	8.81	12.7	11.6	14.5	13.3	9.65	7.87	5.97	5.20	4.61E	28
29	9.41		8.88	12.7	12.9	14.3	12.9	9.65	7.57	5.89	5.04	4.61E	29
30	9.42		8.87	12.7	13.0	14.2	12.6	9.33	7.85	5.89	5.01	4.60E	30
31	9.52		8.82		13.3		12.6	9.26		5.71		4.59E	31
TOTAL	296.68	267.08	281.22	308.03	400.1	442.4	425.6	333.98	257.51	201.40	163.40	145.38	TOTAL
MEAN	9.57	9.54	9.07	10.3	12.9	14.7	13.7	10.8	8.60	6.50	5.45	4.69	MEAN
MAX	10.1	9.88	9.43	12.8	13.5	15.2	14.6	12.6	9.19	7.62	6.10	4.90	MAX
MIN	9.22	9.11	8.76	8.35	11.6	14.0	12.6	9.26	7.57	5.71	5.01	4.59	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.65
MAXIMUM DAILY, 15.2 ON JUN 23
MINIMUM DAILY, 4.59E ON DEC 31
MAXIMUM INSTANTANEOUS,
16.3 AT 12:05 CST ON JUN 24

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 99 58 10 W
DRAINAGE AREA, 3 250 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	25 600	JUL	38 600
FEB	23 100	AUG	28 900
MAR	24 300	SEP	22 300
APR	26 800	OCT	17 400
MAY	34 800	NOV	14 100
JUN	38 200	DEC	12 600

TOTAL DISCHARGE, 305 000 dam³

GRASSMERE DRAIN NEAR MIDDLECHURCH - STATION NO. 05OJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.052	0.108	0.002	0.084	0.023	0.023	0.030	---	1
2	---	---	0B	0 B	0.050	0.094	0.001	0.073	0.022	0.021	---	---	2
3	---	---	0B	0.0108	0.048E	0.078	0	0.056	0.021	0.020	---	---	3
4	---	---	0B	0.088B	0.044E	0.094	0	0.042	0.022	0.022	---	---	4
5	---	---	0B	1.39 B	0.041E	0.096	0.002	0.038	0.021	0.023	---	---	5
6	---	---	0B	6.00 B	0.037E	0.093	0.003	0.075	0.021	0.023	---	---	6
7	---	---	0B	27.5 B	0.036E	0.084	0.001	0.819	0.022	0.023	---	---	7
8	---	---	0B	36.0	0.034E	0.068	0	0.721	0.021	0.023	---	---	8
9	---	---	0B	26.2	0.034E	0.072	0	0.421	0.021	0.024	---	---	9
10	---	---	0B	16.9	0.033E	0.071	0.001	0.222	0.022	0.022	---	---	10
11	---	---	0B	9.71	0.033E	0.069	0.004	0.111	0.022	0.022	---	---	11
12	---	---	0B	6.34	0.038E	0.061	0.004	0.072	0.023	0.021	---	---	12
13	---	---	0B	3.61	0.030E	0.055	0.010	0.060	0.023	0.021	---	---	13
14	---	---	0B	2.24	0.032E	0.046	0.015	0.412	0.023	0.021	---	---	14
15	---	---	0B	1.44	0.033E	0.034	0.014	10.3	0.023	0.020	---	---	15
16	---	---	0B	1.28	0.034E	0.028	0.011	8.53	0.023	0.020	---	---	16
17	---	---	0B	0.859	0.036E	0.032	0.008	5.23	0.023	0.019	---	---	17
18	---	---	0B	0.681	0.040E	0.019	0.007	3.20	0.024	0.021	---	---	18
19	---	---	0B	0.373	0.042E	0.014	0.021	1.90	0.023	0.020	---	---	19
20	---	---	0B	0.133	0.044E	0.013	0.080	0.882	0.023	0.020	---	---	20
21	---	---	0B	0.107	0.052	0.008	0.044	0.486	0.023	0.018	---	---	21
22	---	---	0B	0.102	0.061	0.005	0.045	0.188	0.023	0.020	---	---	22
23	---	---	0B	0.126	0.088	0.002	0.046	0.081	0.022	0.021	---	---	23
24	---	---	0B	0.140	0.086	0	0.042	0.059	0.022	0.021	---	---	24
25	---	---	0B	0.119	0.092	0.001	0.033	0.046	0.022	0.021	---	---	25
26	---	---	0B	0.103	0.087	0.001	0.022	0.037	0.022	0.044	---	---	26
27	---	---	0B	0.075	0.111	0.001	0.018	0.032	0.023	0.039	---	---	27
28	---	---	0B	0.087	0.111	0.001	0.012	0.028	0.024	0.037	---	---	28
29	---		0B	0.081	0.104	0.004	0.010	0.028	0.024	0.038	---	---	29
30	---		0B	0.053	0.102	0.004	0.010	0.028	0.022	0.034	---	---	30
31	---		0B		0.107		0.034	0.023		0.033		---	31
TOTAL	---	---	0	141.895	1.777	1.244	0.478	34.340	0.673	0.783	---	---	TOTAL
MEAN	---	---	0	4.72	0.057	0.041	0.015	1.11	0.022	0.025	---	---	MEAN
MAX	---	---	0	36.0	0.111	0.108	0.080	10.3	0.024	0.044	---	---	MAX
MIN	---	---	0	0	0.030	0	0	0.023	0.021	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.739
MAXIMUM DAILY, 36.0 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
49.98 AT 19 13 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 08 N
LONG 97 07 01 W
DRAINAGE AREA, 471 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41 3
FEB	---	AUG	2 970
MAR	0	SEP	58 1
APR	12 200	OCT	85 9
MAY	154	NOV	---
JUN	107	DEC	---

TOTAL DISCHARGE, 15 600 dam³

GULL LAKE AT SHERWOOD - STATION NO. 05SA801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	253.390E	253.302	253.302	---	---	---	---	1
2	---	---	---	---	---	253.387	253.302E	253.302	---	---	---	---	2
3	---	---	---	---	---	253.388E	253.302	253.301E	---	---	---	---	3
4	---	---	---	---	---	253.389	253.299	253.300	---	---	---	---	4
5	---	---	---	---	---	253.391E	253.299E	253.300	---	---	---	---	5
6	---	---	---	---	---	253.392	253.299	253.300E	---	---	---	---	6
7	---	---	---	---	---	253.389	253.301E	253.299	---	---	---	---	7
8	---	---	---	---	---	253.388E	253.302	253.301E	---	---	---	---	8
9	---	---	---	---	---	253.387	253.302E	253.302	---	---	---	---	9
10	---	---	---	---	---	253.387E	253.301	253.301E	---	---	---	---	10
11	---	---	---	---	---	253.387E	253.301E	253.289	---	---	---	---	11
12	---	---	---	---	---	253.387	253.300	253.301E	---	---	---	---	12
13	---	---	---	---	---	253.382E	253.300E	253.302	---	---	---	---	13
14	---	---	---	---	---	253.377	253.300	253.319E	---	253.220	---	---	14
15	---	---	---	---	---	253.377	253.300E	253.335E	---	---	---	---	15
16	---	---	---	---	---	253.375E	253.299	253.352	---	---	---	---	16
17	---	---	---	---	---	253.372	253.299E	253.332E	---	---	---	---	17
18	---	---	---	---	---	253.373E	253.299	253.312	---	---	---	---	18
19	---	---	---	---	253.402	253.374	253.300E	253.315E	---	---	---	---	19
20	---	---	---	---	253.399E	253.372	253.300	253.317	---	---	---	---	20
21	---	---	---	---	253.395E	253.372E	253.302	---	---	---	---	---	21
22	---	---	---	---	253.392	253.372	253.302E	---	---	---	---	---	22
23	---	---	---	---	253.392E	253.387	253.302	---	---	---	---	---	23
24	---	---	---	---	253.392	253.385E	253.300	---	---	---	---	---	24
25	---	---	---	---	253.392E	253.382	253.299E	---	---	---	---	---	25
26	---	253.409	---	---	253.392	253.357E	253.298E	---	---	---	---	---	26
27	---	---	---	---	253.395E	253.352	253.297	---	---	---	---	---	27
28	---	---	---	---	253.397	253.337	253.298E	---	---	---	---	---	28
29	---		---	---	253.395E	253.325E	253.299	---	---	---	---	---	29
30	---		---	---	253.392	253.312	253.299	---	---	---	---	---	30
31	---		---		253.382		253.301E	---		---		---	31
MEAN	---	---	---	---	---	253.373	253.300	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	253.392	253.302	---	---	---	---	---	MAX
MIN	---	---	---	---	---	253.312	253.297	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 24 56 N
LONG 96 31 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

DRAINAGE AREA
4.14 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 828	1 828	2 068	4 128	39 6	34 2	24 7	22 1	23 3	19 4	14 6	8 569	1
2	1 828	1 828	2 098	4 228	36 6	33 4	25 3	21 0	23 1	19 3	14 6	8 368	2
3	1 828	1 828	2 158	4 338	37 5	32 2	24 1	20 3	23 5	19 5	14 8	8 218	3
4	1 828	1 828	2 208	4 538	36 5	33 3	22 9	19 5	23 1	19 3	14 6	8 168	4
5	1 828	1 828	2 268	4 638	36 4	33 0	27 4	18 9	22 8	19 3	14 3	8 008	5
6	1 798	1 828	2 318	5 138	34 2	32 4	33 4	19 1	22 7	18 8	13 9	7 858	6
7	1 798	1 828	2 378	8 72	33 4	31 6	36 3	18 6	22 5	18 5	14 0	7 758	7
8	1 798	1 828	2 428	8 38	32 7	30 9	37 7	18 5	22 7	17 9	13 3	7 808	8
9	1 798	1 828	2 488	11 4	31 2	29 8	37 0	18 0	23 3	17 9	12 9	7 488	9
10	1 798	1 828	2 538	14 1	30 3	28 9	36 2	17 2	23 4	17 5	12 5 B	7 378	10
11	1 778	1 828	2 618	15 0	31 1	28 8	38 3	18 1	23 5	17 3	12 2 B	7 238	11
12	1 778	1 828	2 648	18 5	31 4	30 2	34 7	18 7	23 4	17 1	12 1 B	7 198	12
13	1 778	1 828	2 728	21 9	30 8	29 9	33 3	18 3A	23 5	16 9	11 8 B	7 108	13
14	1 778	1 828	2 788	24 7	29 8	28 6	32 5	18 3	23 5	16 7	11 4 B	7 018	14
15	1 778	1 828	2 838	28 0	30 1	27 5	31 4	18 3	23 4	16 2	11 3 B	6 928	15
16	1 798	1 848	2 938	32 8	28 6	26 6	30 4	18 4	22 9	16 2	11 0 B	6 788	16
17	1 798	1 848	3 008	36 1	28 1	25 4	30 8	20 1	22 9	16 2	10 8 B	6 698	17
18	1 798	1 848	3 068	38 2	26 5	24 7	30 4	20 7	22 7	15 9	10 6 B	6 608	18
19	1 798	1 848	3 168	37 8	27 6	23 3	29 9	20 8	22 0	15 7	10 4 B	6 508	19
20	1 798	1 848	3 238	38 0	27 1	22 4	31 0	21 6	21 9	15 6	10 2 B	6 418	20
21	1 798	1 848	3 298	39 7	26 5	21 6	31 1	22 6	21 8	15 3	10 1 B	6 328	21
22	1 798	1 848	3 368	41 0	25 8	24 7	31 3	23 8	21 8	15 3	9 898	6 238	22
23	1 798	1 868	3 468	41 6	25 3	26 8	31 2	24 3	21 2	15 1	9 698	6 158	23
24	1 798	1 868	3 538	41 2	24 7	29 3	30 8	24 4	20 6	14 9	9 598	6 028	24
25	1 798	1 898	3 598	41 1	24 3	29 4	29 9	24 1	20 7	14 7	9 438	5 938	25
26	1 758	1 918	3 668	41 7	23 4	29 5	28 5	24 4	20 8	15 0	9 338	5 898	26
27	1 798	1 938	3 728	42 5	23 2	29 4	27 2	24 4	20 3	14 7	9 188	5 858	27
28	1 798	1 968	3 828	42 8	24 0	28 7	26 8	24 2	20 1	14 5	8 978	5 768	28
29	1 798		3 908	42 3	26 7	27 5	25 5	24 1	19 5	14 5	8 878	5 728	29
30	1 798		3 978	41 0	31 6	26 2	24 3	23 4	18 9	14 4	8 728	5 648	30
31	1 798		4 048		33 7		23 0	22 7		14 3		5 598	31
TOTAL	55 54	51 59	92 17	776 43	935 7	861 2	934 9	648 9	685 4	514 1	345 07	212 85	TOTAL
MEAN	1 79	1 84	2 97	25 9	30 2	28 7	30 2	21 0	22 2	16 6	11 5	6 87	MEAN
MAX	1 82	1 96	4 04	42 8	39 6	34 2	37 7	24 4	23 5	19 5	14 8	8 56	MAX
MIN	1 77	1 82	2 06	4 12	23 2	21 6	22 9	17 2	18 9	14 3	8 72	5 59	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 18 7
MAXIMUM DAILY 42 8 ON APR 28
MINIMUM DAILY 1 778 ON JAN 11
MAXIMUM INSTANTANEOUS
43 5 AT 11 40 CST ON APR 28

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 20 W
DRAINAGE AREA 4 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 800	JUL	80 800
FEB	4 480	AUG	55 200
MAR	7 980	SEP	57 500
APR	67 100	OCT	44 400
MAY	80 800	NOV	29 800
JUN	74 400	DEC	18 400

TOTAL DISCHARGE 527 000 dam³

MAYES RIVER BELOW GOOS RIVER - STATION NO 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3058	2758	2668	2648	1 380E	643	407	580	---	---	6238	3678	1
2	3038	2758	2668	2648	1 300E	648	407	574	---	---	6128	3838	2
3	3018	2758	2668	2648	1 250E	659	394	589	---	---	6018	3788	3
4	2998	2748	2668	2648	1 200E	687	381	547	---	---	5908	3748	4
5	2988	2748	2658	2648	1 190E	673	378	530	---	---	5798	3888	5
6	2978	2738	2658	2648	1 170A	671	389	525	---	---	5698	3858	6
7	2958	2738	2658	2648	1 130	660	457	520	---	---	5618	3818	7
8	2948	2738	2658	2648	1 110	641	504	511	---	---	5518	3588	8
9	2938	2728	2658	2648	1 090	619	765	507	---	---	5418	3528	9
10	2918	2728	2658	2648	1 070	598	850	506	---	---	5338	3508	10
11	2908	2718	2658	2648	1 030	583	916	507	---	---	5238	3458	11
12	2888	2718	2648	2648	1 000	566	999	500	---	---	5148	3418	12
13	2868	2718	2648	2648	977	544	1 040	489	---	---	5068	3378	13
14	2878	2718	2648	2658	947	530	1 050	489A	---	---	4998	3338	14
15	2868	2708	2648	2718	920	523	1 030	---	---	---	4898	3308	15
16	2868	2708	2648	2858	886	515	1 000	---	---	---	4828	3288	16
17	2858	2698	2648	4458	857	486	986	---	---	---	4748	3248	17
18	2838	2698	2648	7658	832	467	919	---	---	---	4678	3208	18
19	2828	2698	2648	1 1508	813	460	892	---	---	---	4608	3178	19
20	2818	2698	2648	1 7108	790	453	889	---	---	---	4528	3138	20
21	2818	2688	2648	2 2908	756	434	839	---	---	---	4458	3118	21
22	2808	2688	2648	2 3908	737	406	808	---	---	---	4388	3078	22
23	2808	2688	2648	2 3108	723	391	756	---	---	---	4338	3058	23
24	2798	2678	2648	2 1508	700	390	785	---	---	---	4288	3018	24
25	2798	2678	2648	1 9908	672	393	745	---	---	---	4228	2988	25
26	2788	2678	2648	1 8408	683	402	705	---	---	---	4178	2978	26
27	2788	2678	2648	1 7508	659	410	676	---	---	---	4108	2938	27
28	2778	2678	2648	1 6608	649	410	655	---	---	---	4038	2918	28
29	2778		2648	1 5508	631	411	633	---	---	6648	3988	2888	29
30	2768		2648	1 4808	626	410	621	---	---	6508	3948	2858	30
31	2768		2648		637		598	---		6388		2838	31
TOTAL	8 894	7 575	8 199	27 713	28 377	16 863	22 574	---	---	---	14 812	10 222	TOTAL
MEAN	287	271	264	924	915	522	728	---	---	---	494	330	MEAN
MAX	305	275	266	2 390	1 360	673	1 050	---	---	---	623	387	MAX
MIN	276	267	264	264	626	390	378	---	---	---	394	283	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY 2 390B ON APR 22
MINIMUM DAILY 264B ON MAR 12

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 55 N
LONG 92 47 19 W
DRAINAGE AREA 103 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	788 000	JUL	1 930 000
FEB	654 000	AUG	---
MAR	708 000	SEP	---
APR	2 390 000	OCT	---
MAY	2 450 000	NOV	1 280 000
JUN	1 350 000	DEC	883 000

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.68	28.38	27.08	25.08	54.2	64.6	---	---	---	33.6	24.9	13.68	1
2	30.58	28.28	26.98	25.98	56.0	65.4	---	---	---	33.5	25.9	13.58	2
3	30.48	28.28	26.88	25.68	55.6	64.0	---	---	---	38.0	28.3	13.48	3
4	30.38	28.18	26.68	25.68	57.7	64.7	---	---	---	36.2	27.5	13.38	4
5	30.28	28.08	26.68	25.78	59.3	64.6	---	---	---	32.3	27.2	13.28	5
6	30.28	28.08	26.88	25.78	61.0	63.8	---	---	---	32.2	22.7	13.18	6
7	30.18	28.08	26.78	25.98	61.3	62.0	---	---	---	31.9	18.8	13.08	7
8	29.98	28.08	26.68	26.38	60.7	61.4	---	---	---	31.1	18.0	12.98	8
9	29.88	27.98	26.68	26.78	62.0	62.2	---	---	---	30.8	18.0	12.88	9
10	29.78	27.88	26.58	28.08	61.3	62.4	---	---	---	32.5	17.78	12.78	10
11	29.78	27.78	26.58	29.38	62.1	61.4	---	---	---	31.7	17.58	12.58	11
12	29.68	27.78	26.58	31.38	62.7	61.3	---	---	---	30.6	17.48	12.58	12
13	29.68	27.68	26.58	32.98	63.4	63.1	---	---	---	31.2	17.38	12.48	13
14	29.58	27.68	26.48	34.48	64.8	65.0	---	---	---	31.8	17.18	12.38	14
15	29.48	27.68	26.48	36.18	64.2	63.3	---	---	---	29.5	16.98	12.28	15
16	29.38	27.58	26.48	38.08	63.5	59.0	---	---	---	28.3	16.78	12.28	16
17	29.28	27.48	26.48	39.88	63.6	58.8	---	---	---	28.3	16.68	12.08	17
18	29.28	27.48	26.48	41.98	63.1	60.9	---	---	---	28.5	16.38	11.98	18
19	29.18	27.38	26.38	43.6	63.7	58.2	---	---	---	27.9	16.18	11.88	19
20	29.08	27.38	26.38	45.2	64.5	58.0	---	---	---	27.3	15.98	11.88	20
21	28.98	27.28	26.38	46.1	63.1	54.4	---	---	---	26.9	15.68	11.78	21
22	28.88	27.28	26.28	47.1	62.3	54.4	---	---	40.9A	26.6	15.58	11.78	22
23	28.88	27.28	26.28	48.8	62.7	54.6	---	---	41.2	25.9	15.28	11.68	23
24	28.88	27.28	26.18	49.4	62.8	56.7A	---	---	40.7	26.8	15.08	11.68	24
25	28.88	27.28	26.18	49.2	62.1	---	---	---	40.2	29.1	14.78	11.58	25
26	28.78	27.28	26.08	50.3	61.7	---	---	---	36.2	29.0	14.58	11.48	26
27	28.68	27.18	26.08	52.6	62.4	---	---	---	36.9	28.8	14.38	11.48	27
28	28.58	27.18	26.08	53.0	62.1	---	---	---	36.8	28.3	14.18	11.38	28
29	28.48		26.08	54.5	80.0	---	---	---	37.2	28.8	13.98	11.38	29
30	28.38		26.08	54.5	61.8	---	---	---	35.7	25.0	13.78	11.28	30
31	28.48		26.08		63.3		---	---		26.2		11.28	31
TOTAL	910.4	773.0	818.5	1 139.8	1 908.0	---	---	---	---	920.4	541.3	379.0	TOTAL
MEAN	29.4	27.6	26.4	38.0	61.5	---	---	---	---	29.7	18.0	12.2	MEAN
MAX	30.6	28.3	27.0	54.5	64.8	---	---	---	---	38.0	27.5	13.6	MAX
MIN	28.4	27.1	26.0	25.7	54.2	---	---	---	---	25.0	13.7	11.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 11.28 ON DEC 30

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 23 N
LONG 95 07 12 W
DRAINAGE AREA, 8 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	78 700	JUL	---
FEB	68 800	AUG	---
MAR	70 700	SEP	---
APR	98 500	OCT	79 500
MAY	165 000	NOV	46 800
JUN	---	DEC	32 700

MESPELER FLOODWAY NEAR ROSENFELD - STATION NO. 05OC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.758B	0.101	0.359	0.040	0.003	0	0.001	---	---	1
2	---	---	0 B	9.27 B	0.070	0.371	0.067	0	0.004	0.010	---	---	2
3	---	---	0 B	23.6 B	0.054	0.430	0.074	0	0.001	0.012	---	---	3
4	---	---	0 B	47.4 B	0.038	0.459	0.074	0	0.002	0.003	---	---	4
5	---	---	0 B	84.2 B	0.027	0.437	0.088	0	0.011	0.007	---	---	5
6	---	---	0 B	82.5	0.019	0.389	0.089	0	0.019	0.007	---	---	6
7	---	---	0 B	38.8	0.013	0.334	0.083	0	0.019	0.002	---	---	7
8	---	---	0 B	19.7	0.008	0.286	0.054	0	0.017	0.001	---	---	8
9	---	---	0 B	10.3	0.002	0.233	0.044	0	0.015	0.008	---	---	9
10	---	---	0 B	7.12	0	0.220	0.064	0	0.017	0.010	---	---	10
11	---	---	0 B	4.77	0	0.218	0.092	0	0.018	0.011	---	---	11
12	---	---	0 B	3.10	0	0.204	0.076	0	0.017	0.012	---	---	12
13	---	---	0 B	2.12	0	0.191	0.077	0	0.016	0.011	---	---	13
14	---	---	0 B	1.65	0	0.148	0.105	0.001	0.016	0.011	---	---	14
15	---	---	0 B	1.33	0	0.098	0.083	0.011	0.014	0.014	---	---	15
16	---	---	0 B	1.14	0	0.070	0.052	0.011	0.013	0.024	---	---	16
17	---	---	0 B	0.988	0	0.079	0.034	0.009	0.013	0.026	---	---	17
18	---	---	0 B	0.876	0	0.063	0.028	0.009	0.014	0.025	---	---	18
19	---	---	0 B	0.763	0	0.046	0.105	0.005	0.017	0.014	---	---	19
20	---	---	0 B	0.644	0	0.035	0.048	0.001	0.012	0.014	---	---	20
21	---	---	0 B	0.558	0	0.030	0.073	0	0.0083	0.014	---	---	21
22	---	---	0 B	0.475	0	0.024	0.062	0	0.005	0.018	---	---	22
23	---	---	0 B	0.418	0	0.021	0.041	0	0.003A	0.017	---	---	23
24	---	---	0.010B	0.346	0	0.018	0.031	0	0.001	0.018	---	---	24
25	---	---	1.25 B	0.280	0	0.016	0.022	0	0	0.016	---	---	25
26	---	---	2.75 B	0.230	0.192	0.018	0.018	0	0	0.014	---	---	26
27	---	---	2.00 B	0.202	0.343	0.013	0.014	0	0	0.012	---	---	27
28	---	---	1.00 B	0.190	0.358	0.013	0.011	0	0	0.015	---	---	28
29	---		0.300B	0.182	0.357	0.014	0.006	0.001	0	0.028	---	---	29
30	---		0.170B	0.160	0.370	0.015	0.004	0.002	0	0.033	---	---	30
31	---		0.228B		0.375		0.006	0		0.032		---	31
TOTAL	---	---	7.708	344.051	2.329	4.840	1.845	0.053	0.277	0.460	---	---	TOTAL
MEAN	---	---	0.249	11.5	0.075	0.181	0.053	B 0.002	0.009	B 0.015	---	---	MEAN
MAX	---	---	2.75	84.2	0.375	0.459	0.105	B 0.011	0.019	0.033	---	---	MAX
MIN	---	---	0	0.160	0	0.013	0.004	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.47
MAXIMUM DAILY, 84.2B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS
135 AT 23 30 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	142
FEB	---	AUG	4 58
MAR	885	SEP	23 9
APR	29 700	OCT	38 0
MAY	201	NOV	---
JUN	418	DEC	---

TOTAL DISCHARGE, 31 200 dam³

HIDDEN ISLAND COULEE NEAR HANSBORO - STATION NO. 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.6498	0.014	0	0	0	0.002	0	0	0	1
2	0	0	0	0.9068	0.011	0	0	0	0.001	0	0	0	2
3	0	0	0	1.13 B	0.008	0	0	0	0.001	0	0	0	3
4	0	0	0	1.84 B	0.010	0	0	0	0.001	0	0	0	4
5	0	0	0	4.67 B	0.009	0	0	0	0.001	0	0	0	5
6	0	0	0	3.94	0.007	0	0	0	0.001	0	0	0	6
7	0	0	0	1.81	0.005	0	0	0	0	0	0	0	7
8	0	0	0	1.05	0.004	0	0	0	0	0	0	0	8
9	0	0	0	0.793	0.002	0	0	0	0	0	0	0	9
10	0	0	0	B 595	0.002	0	0	0	0	0	0	0	10
11	0	0	0	0.510	0.001	0	0	0	0	0	0	0	11
12	0	0	0	0.453	0.001	0	0	0	0	0	0	0	12
13	0	0	0	0.398	0.001	0	0	0	0	0	0	0	13
14	0	0	0	0.311	0.001	0	0	0	0	0	0	0	14
15	0	0	0	0.244	0	0	0	0.042	0	0	0	0	15
16	0	0	0	0.181	0	0	0	0.453	0	0	0	0	16
17	0	0	0	0.139	0	0	0	1.87	0	0	0	0	17
18	0	0	0	0.099	0	0	0	1.87	0	0	0	0	18
19	0	0	0	0.071	0	0	0	0.934	0	0	0	0	19
20	0	0	0	0.023	0	0	0	0.566	0	0	0	0	20
21	0	0	0.0578	0.013	0	0	0	0.453	0	0	0	0	21
22	0	0	0.1428	0.014	0	0	0	0.235	0	0	0	0	22
23	0	0	0.2838	0.025	0	0	0	0.133	0	0	0	0	23
24	0	0	0.5688	0.025	0	0	0	0.085	0	0	0	0	24
25	0	0	0.4258	0.026	0	0	0	0.058	0	0	0	0	25
26	0	0	0.5688	0.027	0	0	0	0.040	0	0	0	0	26
27	0	0	0.7068	0.023	0	0	0	0.027	0	0	0	0	27
28	0	0	0.5668	0.023	0	0	0	0.019	0	0	0	0	28
29	0		0.5108	0.019	0	0	0	0.012	0	0	0	0	29
30	0		0.4538	0.018	0	0	0	0.008	0	0	0	0	30
31	0		0.7068		0		0	0.005	0	0	0	0	31
TOTAL	0	0	4.984	20.021	5.077	0	0	0.003		0	0	0	TOTAL
MEAN	0	0	0.161	0.667	0.002	0	0	5.414	0.007	0	0	0	MEAN
MAX	0	0	0.708	4.67	0.014	0	0	0.207	0	0	0	0	MAX
MIN	0	0	0	0.013	0	0	0	1.87	0.002	0	0	0	MIN
						0	0	0	0				

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 4.670 ON APR 5
MINIMUM DAILY, 0 ON JAN 1

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 98 25 35 W
DRAINAGE AREA, 88.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	554
MAR	431	SEP	0.60
APR	1 730	OCT	0
MAY	8.85	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 2 720 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO. 05SC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1278	0.4148	0.650	0.374	0.056	0.181	0.175	0.088	0.340	---	1
2	---	---	0.1278	0.3428	0.638	0.385	0.060	0.202	0.198	0.153	0.310	---	2
3	---	---	0.1278	0.3858	0.606	0.374	0.084	0.239	0.208	0.110	---	---	3
4	---	---	0.1278	1.10 B	0.585	0.331	0.191	0.202	0.195	0.077	---	---	4
5	---	---	0.1278	8.04 B	0.579	0.847	0.295	0.185	0.200	0.108	---	---	5
6	---	---	0.1178	36.6 B	0.619	0.945	0.265	0.152	0.200	0.167	---	---	6
7	---	---	0.1128	87.2 B	0.386	0.643	0.201	0.134	0.199	0.188	---	---	7
8	---	---	0.1238	48.1	0.188	0.786	0.160	0.155	0.200	0.989	---	---	8
9	---	---	0.1688	31.5	0.083	0.704	0.178	0.188	0.190	1.12	---	---	9
10	---	---	0.2338	21.1	0.065	0.587	0.357	0.208	0.202	0.783	---	---	10
11	---	---	0.2608	14.2	0.154	0.461	0.547	0.212	0.205	0.575	---	---	11
12	---	---	0.3248	9.27	0.190	0.212	1.04	0.208	0.242	0.579	---	---	12
13	---	---	0.3098	6.34	0.136	0.212	0.884	0.229	0.227	0.579	---	---	13
14	---	---	0.2958	4.61	0.187	0.700	0.721	0.228	0.195	0.655	---	---	14
15	---	---	0.2718	3.98	0.387	0.572	0.518	0.287	0.188	0.646	---	---	15
16	---	---	0.2148	3.34	0.331	0.357	0.378	0.287	0.523	0.626	---	---	16
17	---	---	0.1668	3.02	0.229	0.136	0.935	0.503	0.292	0.618	---	---	17
18	---	---	0.1348	2.65	0.209	0.083	1.19	0.444	0.184	0.597	---	---	18
19	---	---	0.1248	2.27	0.186	0.062	0.758	0.374	0.526	0.555	---	---	19
20	---	---	0.1158	1.92	0.065	0.173	0.484	0.294	0.342	0.494	---	---	20
21	---	---	0.1288	1.75	0.062	0.220	0.504	0.234	0.155	0.450	---	---	21
22	---	---	0.1398	1.53	0.233	0.180	0.800	0.234	0.082	0.601	---	---	22
23	---	---	0.4788	1.39	0.379	0.184	0.285	0.218	0.070	0.627	---	---	23
24	---	---	0.7788	1.23	0.257	0.184	0.135	0.195	0.075	0.592	---	---	24
25	---	---	0.8118	1.04	0.175	0.121	0.078	0.199	0.065	0.423	---	---	25
26	---	---	0.6788	0.984	0.230	0.080	0.085	0.192	0.047	0.469	---	---	26
27	---	---	0.8348	0.907	0.231	0.083	0.082	0.184	0.048	0.481	---	---	27
28	---	---	1.03 B	0.819	0.121	0.075	0.088	0.182	0.044	0.446	---	---	28
29	---		0.8508	0.747	0.075	0.057	0.130	0.182	0.051	0.437	---	---	29
30	---		1.08 B	0.700	0.165	0.048	0.144	0.176	0.088	0.385	---	---	30
31	---		0.8088		0.423		0.177	0.188		0.370		---	31
TOTAL	---	---	11.242	298.688	8.779	10.135	11.870	7.034	5.808	15.271	---	---	TOTAL
MEAN	---	---	0.363	9.86	0.283	0.338	0.376	0.227	0.187	0.493	---	---	MEAN
MAX	---	---	1.08	87.2	0.650	0.946	1.19	0.503	0.526	1.12	---	---	MAX
MIN	---	---	0.112	0.342	0.042	0.048	0.065	0.134	0.044	0.077	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.50
MAXIMUM DAILY, 87.20 ON APR 7
MINIMUM DAILY, 0.042 ON MAY 21
MAXIMUM INSTANTANEOUS,
124 AT 14:20 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 010
FEB	---	AUG	804
MAR	971	SEP	685
APR	25 800	OCT	1 320
MAY	758	NOV	---
JUN	878	DEC	---

TOTAL DISCHARGE, 31 600 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO. 04AC002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	227.950	227.912	227.836	228.115	228.247	228.187	228.138	228.271	228.276	228.172	228.089	1
2	---	227.944	227.909	227.831	228.125	228.218A	228.176	228.133	228.280	228.277	228.183	228.084	2
3	---	227.941	227.906	227.828	228.139	228.208	228.177	228.117	228.287	228.272	228.182	228.082	3
4	---	227.940	227.908	227.827	228.146	228.208	228.172	228.110	228.279	228.270	228.122	228.084	4
5	---	227.938	227.906	227.826	228.150	228.216	228.178	228.109	228.290	228.258	228.114	228.083	5
6	---	227.937	227.901	227.825	228.158	228.223	228.180	228.127	228.289	228.256	228.108	228.084	6
7	---	227.936	227.897	227.826	228.164	228.224	228.168	228.131	228.301	228.251	228.125	228.084	7
8	---	227.931	227.892	227.827	228.167	228.217	228.165	228.126	228.306	228.247	228.093	228.082	8
9	---	227.933	227.890	227.829	228.167	228.216	228.177	228.117	228.308	228.211	228.122	228.080	9
10	---	227.930	227.888	227.828	228.180	228.221	228.185	228.120	228.311	228.200	228.128	228.078	10
11	---	227.930	227.882	227.831	228.180	228.228	228.180	228.127	228.315	228.229	228.117	228.074	11
12	---	227.925	227.879	227.835	228.201	228.236	228.180	228.124	228.316	228.227	228.115	228.072	12
13	---	227.924	227.879	227.838	228.191	228.236	228.179	228.125	228.315	228.195	228.104	228.070	13
14	---	227.920	227.878	227.843	228.197	228.216	228.175	228.126	228.316	228.195	228.122	228.070	14
15	---	227.920	227.880	227.854	228.209	228.231	228.170	228.136	228.320	228.216	228.128	228.089	15
16	---	227.917	227.878	227.882	228.209	228.236	228.168	228.183	228.322	228.212	228.118	228.086	16
17	---	227.913	227.876	227.873	228.211	228.227	228.162	228.182	228.322	228.213	228.113	228.082	17
18	---	227.918	227.875	227.886	228.216	228.231	228.165	228.176	228.322	228.193	228.115	228.081	18
19	---	227.915	227.871	227.906	228.215	228.228	228.174	228.189	228.320	228.204	228.085	228.084	19
20	---	227.914	227.889	227.938	228.203	228.235	228.167	228.188	228.317	228.202	228.106	228.082	20
21	---	227.911	227.889	227.984	228.209	228.226	228.172	228.201	228.316	228.202	228.113	228.085	21
22	---	227.908	227.886	227.983	228.213	228.224	228.176	228.200	228.307	228.200	228.108	228.084	22
23	---	227.905	227.882	227.987	228.214	228.222	228.168	228.216	228.302	228.193	228.102	228.049	23
24	227.842A	227.901	227.857	228.015	228.217	228.219	228.187	228.220	228.296	228.185	228.104	228.046	24
25	227.843	227.899	227.886	228.032	228.220	228.214	228.184	228.237	228.295	228.177	228.104	228.045	25
26	227.885	227.906	227.882	228.047	228.220	228.207	228.181	228.242	228.301	228.184	228.105	228.046	26
27	227.884	227.906	227.842	228.067	228.219	228.204	228.184	228.255	228.295	228.170	228.102	228.044	27
28	227.880	227.906	227.841	228.080	228.227	228.195	228.168	228.263	228.290	228.173	228.101	228.044	28
29	227.882		227.842	228.080	228.234	228.182	228.162	228.264	228.286	228.188	228.098	228.042	29
30	227.948		227.842	228.104	228.235	228.181	228.148	228.227	228.284	228.165	228.082	228.038	30
31	227.952		227.842		228.243		228.145	228.289		228.167		228.030	31
MEAN	---	227.922	227.878	227.911	228.183	228.219	228.170	228.172	228.302	228.212	228.115	228.084	MEAN
MAX	---	227.950	227.912	228.104	228.243	228.247	228.187	228.289	228.322	228.277	228.172	228.089	MAX
MIN	---	227.899	227.841	227.826	228.115	228.181	228.145	228.109	228.266	228.164	228.089	228.030	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.322 ON SEP 15
MINIMUM DAILY, 227.826 ON APR 6
MAXIMUM INSTANTANEOUS,
228.330 AT 20:50 CST ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 25 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 04AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	56.9E	55.5	51.3	43.2	75.2	94.6	85.1	76.1	98.9	99.7	82.9	72.0	1
2	56.8E	54.9	51.0	42.4	76.5	89.6A	83.7	77.4	101	100	81.6	71.4	2
3	56.7E	54.6	50.6	42.1	78.2	88.2	83.6	76.5	102	99.1	81.5	71.0	3
4	56.5E	54.5	51.0	42.0	79.2	88.2	83.0	74.5	100	98.6	78.1	71.4	4
5	56.4E	54.3	50.8	41.8	78.8	89.5	83.8	74.5	102	96.7	75.1	71.2	5
6	56.3E	54.1	50.1	41.8	80.9	90.7	84.0	76.7	104	96.2	74.3	71.4	6
7	56.2E	54.0	48.6	42.0	81.8	90.6	82.5	77.2	105	95.4	76.5	71.3	7
8	56.1E	53.4	48.2	42.0	80.7	89.7	81.9	76.6	106	94.7	73.1	71.1	8
9	56.0E	53.7	48.9	43.3	82.2	88.6	83.6	75.5	105	88.7	76.1	70.8	9
10	55.9E	53.3	48.7	43.1	84.0	90.4	84.8	75.8	106	87.0	76.8	70.4	10
11	56.8E	53.4	48.0	42.4	85.5	91.5	84.1	76.7	107	81.7	75.5	70.1	11
12	55.7E	52.8	47.7	42.9	87.0	93.1	84.0	76.3	108	81.3	75.2	69.8	12
13	55.5E	52.7	47.8	43.2	85.6	92.8	83.8	76.5	107	86.5	73.8	69.5	13
14	55.4E	52.3	47.5	43.8	85.6	88.6	83.3	76.5	108	86.3	76.1	69.5	14
15	55.3E	52.2	47.8	44.9	86.3	91.5	82.6	77.9	108	89.5	76.8	69.5	15
16	55.2E	51.9	47.6	45.8	86.3	92.6	82.3	80.2	109	86.9	75.6	69.0	16
17	55.1E	51.4	47.3	47.0	86.7	91.3	81.5	81.4	109	89.0	74.9	68.5	17
18	55.0E	51.7	47.2	46.4	86.5	90.4	81.8	83.8	109	86.0	75.2	68.4	18
19	55.0E	51.7	46.7	50.7	89.3	91.5	83.1	85.4	108	87.5	89.0	68.8	19
20	54.9E	51.5	46.6	54.3	87.6	90.9	82.2	86.7	108	87.2	74.1	68.5	20
21	54.9E	51.2	46.8	57.1	88.4	91.1	82.9	87.1	108	87.3	74.9	67.7	21
22	54.8E	51.0	46.2	59.2	89.1	90.9	83.5	87.0	108	86.8	74.3	67.5	22
23	54.7E	50.5	45.8	60.6	89.1	90.6	82.4	89.5	105	86.0	73.5	67.0	23
24	54.7A	50.1	45.3	62.5	89.7	90.0	82.1	90.1	104	84.7	73.9	66.5	24
25	54.6	49.9	46.2	64.9	90.2	89.2	81.8	93.1	103	83.6	73.8	66.4	25
26	55.1	50.6	44.7	66.7	90.2	88.1	81.2	93.9	105	81.8	73.9	66.5	26
27	56.0	50.9	43.7	68.2	90.0	87.5	81.7	95.0	103	82.5	73.5	66.3	27
28	55.5	50.9	43.5	70.8	91.3	86.2	80.9	97.4	102	83.0	73.4	66.4	28
29	55.4		43.6	72.1	92.6	85.8	80.0	97.6	98.0	82.5	72.6	66.1	29
30	55.4		43.7	73.8	92.7	85.6	79.5	91.4	101	81.9	72.3	65.3	30
31	55.7		43.7		94.1		79.0	98.4		82.2		64.5	31
TOTAL	1 725.1	1 489.0	1 487.0	1 542.5	2 672.3	2 702.2	2 559.8	2 584.7	3 146.9	2 782.5	2 256.7	2 133.9	TOTAL
MEAN	55.6	52.5	47.3	51.4	86.2	90.1	82.6	83.4	105	89.1	75.2	68.8	MEAN
MAX	56.9	55.5	51.3	73.8	94.1	94.6	85.1	98.4	109	100	82.9	72.0	MAX
MIN	54.7	49.9	43.5	41.8	75.2	85.6	79.0	74.5	98.0	81.8	69.0	64.5	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 74.0
MAXIMUM DAILY, 109 ON SEP 15
MINIMUM DAILY, 41.8 ON APR 6
MAXIMUM INSTANTANEOUS,
110 AT 20:50 CST ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 38 34 W
DRAINAGE AREA, 14 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	149 000	JUL	221 000
FEB	127 000	AUG	223 000
MAR	127 000	SEP	272 000
APR	133 000	OCT	239 000
MAY	231 000	NOV	195 000
JUN	233 000	DEC	184 000

TOTAL DISCHARGE, 2 330 000 dam³

JACKFISH LAKE ABOVE JACKFISH LAKE DAM - STATION NO 05LJ807

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	695.084	---	---	695.028	695.328	695.180	695.127	695.121	---	---	694.048	695.032	1
2	695.081	---	---	694.682	695.318	695.160	695.127	695.115	---	---	694.084	695.035	2
3	695.078	---	---	694.319	695.310	695.157	695.124	695.109	---	---	694.124A	695.039	3
4	695.081	---	---	694.036	695.304	695.157	695.124	695.105	---	---	---	695.042	4
5	695.078	---	---	693.689	695.298	695.157	695.121	695.105	---	---	---	695.045	5
6	695.075	---	---	693.480	695.288	695.157	695.124	695.109	---	---	---	---	6
7	695.078	---	---	693.683	695.278	695.157	695.127	695.109	---	---	---	695.045	7
8	695.078	---	---	693.914	695.273	695.154	695.124	695.105	---	693.681A	---	695.051	8
9	695.075	---	---	693.989	695.268	695.154	695.121	695.105	---	693.658	---	695.061	9
10	695.078	---	---	694.209	695.248	695.151	695.118	695.105	---	693.673	---	695.051	10
11	695.075	---	---	694.388	695.237	695.151	695.115	695.105	---	693.681	---	695.080	11
12	695.075	---	695.102A	694.441	695.227	695.151	695.112	695.098	---	693.700	---	695.080	12
13	695.075	---	695.096	694.475	695.218	695.148	695.112	695.093	---	693.710	694.983A	695.080	13
14	695.072	---	695.093	694.529	695.208	695.142	695.112	695.093	---	693.713	---	695.080	14
15	695.075	---	695.087	694.656	695.194	695.136	695.112	695.093	---	693.708	---	695.080	15
16	695.078	---	695.081	695.151	695.185	695.133	695.108	695.093	---	693.710	---	695.083	16
17	695.072	---	695.078	695.237	695.178	695.148	695.108	695.090	---	693.716	---	695.083	17
18	695.075	---	695.084	695.279	695.168	695.145	695.105	695.087	---	693.728	---	695.083	18
19	695.081	---	695.087	695.318	695.164	695.139	695.115	695.087	---	693.731	---	695.086	19
20	695.090	---	695.084	695.334	695.142	695.136	695.121	695.081	---	693.734	---	695.089	20
21	695.099	---	695.087	695.349	695.136	695.138	695.118	695.078	693.648A	693.737	---	695.089	21
22	695.112	---	695.090	695.359	695.133	695.142	695.121	695.072	---	693.746	---	695.089	22
23	695.115	---	695.084	695.362	695.130	695.145	695.133	695.089	---	693.765	---	695.089	23
24	695.109	---	695.078	695.362	695.127	695.145	695.130	695.088	---	693.771	---	695.086	24
25	695.112	---	695.072	695.358	695.130	695.145	695.130	695.083A	---	693.789	695.029A	695.083	25
26	695.109	---	695.089	695.385	695.130	695.136	695.130	---	---	693.810	695.029	695.088	26
27	695.103A	---	695.083	695.389	695.133	695.133	695.127	---	---	693.834	695.029	695.089	27
28	---	---	695.080	695.382	695.142	695.127	695.124	---	---	693.865	695.029	695.089	28
29	---		695.087	695.340	695.145	695.121	695.121	---	---	693.885	695.032	695.072	29
30	---		695.083	695.334	695.154	695.118	695.121	---	---	693.932	695.029	695.076	30
31	---		695.089		695.157		695.121	---	693.658A	693.868	695.032	695.075	31
										694.008		695.072	
MEAN	---	---	---	694.813	695.204	695.145	695.120	---	---	---	---	695.080	MEAN
MAX	---	---	---	695.388	695.328	695.160	695.133	---	---	---	---	695.075	MAX
MIN	---	---	---	693.680	695.127	695.118	695.105	---	---	---	---	695.032	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 695.388 ON APR 25

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 58 N
LONG 100 48 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1987

DRAINAGE AREA
30.3 km²

JACKSON CREEK NEAR MELITA - STATION NO 05NF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3158	0.002	0	0	0	0	0	---	---	1
2	---	---	0 B	0.7408	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.6468	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.5338	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.8028	0	0	0	0	0	0	---	---	5
6	---	---	0 B	2.01 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	1.26	0	0	0	0	0	0	---	---	7
8	---	---	0 B	1.97	0	0	0	0	0	0	---	---	8
9	---	---	0 B	2.11	0	0	0	0	0	0	---	---	9
10	---	---	0 B	1.83	0	0	0	0	0	0	---	---	10
11	---	---	0 B	1.18	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.836	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.585	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.510	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.598	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.426	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.287	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.220	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.157	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.104	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.121	0	0	0	0	0	0	---	---	21
22	---	---	0.7698	0.146	0	0	0	0	0	0	---	---	22
23	---	---	2.99 B	0.159	0	0	0	0	0	0	---	---	23
24	---	---	1.62 B	0.183	0	0	0	0	0	0	---	---	24
25	---	---	0.7528	0.187	0	0	0	0	0	0	---	---	25
26	---	---	0.6898	0.138	0	0	0	0	0	0	---	---	26
27	---	---	0.8938	0.116	0	0	0	0	0	0	---	---	27
28	---	---	0.4658	0.088	0	0	0	0	0	0	---	---	28
29	---		0.3128	0.050	0	0	0	0	0	0	---	---	29
30	---		0.1238	0.018	0	0	0	0	0	0	---	---	30
31	---		0.2288		0		0	0	0	0	---	---	31
TOTAL	---	---	8.461	18.289	0.002	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.286	0.610	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.99	2.11	0.002	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.018	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 2.998 ON MAR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.398 AT 10:00 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 00 N
LONG 100 57 50 W
DRAINAGE AREA, 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	786	SEP	0
APR	1 580	OCT	0
MAY	0.17	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 360 dam³

JACKSON LAKE NEAR SYDNEY - STATION NO. 05LL002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	356.021E	355.884E	355.911E	355.996	355.957	356.032E	---	1
2	---	---	---	---	---	356.018E	355.878E	355.896	356.002	355.987	356.030E	---	2
3	---	---	---	---	---	356.011E	355.873E	355.888E	355.997	355.987	356.027	---	3
4	---	---	---	---	---	356.005	355.867E	355.898E	355.982E	355.970E	356.024E	---	4
5	---	---	356.119	---	356.040	356.003E	355.862E	355.896	355.987	355.974E	356.020E	---	5
6	---	---	---	---	356.043E	355.999E	355.856	355.889E	355.987	355.977	356.017	---	6
7	---	---	---	---	356.047E	355.996	355.856	355.903E	355.987	355.987E	356.017	---	7
8	356.035	---	---	---	356.050	355.986	355.856E	355.908	355.977	355.997	356.018E	---	8
9	---	---	---	355.920	356.044E	355.986E	355.856	355.896	355.977	355.987E	356.020E	---	9
10	---	---	---	---	356.039E	355.986E	355.861E	355.901	355.967E	355.997	356.021E	---	10
11	---	---	---	---	356.033E	355.986	355.886	355.901	355.957	355.987	356.023E	---	11
12	---	---	---	---	356.027E	355.986	355.886	355.896	355.967	356.002E	356.024E	---	12
13	---	---	---	---	356.022E	355.981E	355.886	355.963E	355.977	356.007	356.028E	---	13
14	---	---	---	---	356.018	355.976	356.886	356.029E	355.977	356.007	356.027	---	14
15	---	---	---	---	356.019E	355.976	355.863E	356.095	355.977E	356.007	---	---	15
16	---	---	---	---	356.023E	355.956	355.859E	356.101	355.977E	356.007	---	---	16
17	---	---	---	---	356.026	355.956	355.886	356.101	355.977	356.007	---	356.904	17
18	---	---	356.040	---	356.028	355.946	355.906	356.096	355.977E	356.027	---	---	18
19	---	---	---	---	356.028	355.946	355.923E	356.095	355.977	356.027E	---	---	19
20	---	---	---	---	356.028E	355.946E	355.939E	356.076E	355.977E	356.027	---	---	20
21	---	---	---	---	356.028	355.946E	355.956	356.086	355.977E	356.032E	---	---	21
22	---	---	---	---	356.021E	355.946	355.956	356.046E	355.977	356.037	---	---	22
23	---	---	---	---	356.016	355.933E	355.956	356.036	355.972E	356.037E	---	---	23
24	---	---	---	---	356.011E	355.919E	355.951E	356.036	355.967	356.037	---	---	24
25	---	---	---	---	356.006	355.906	355.946E	356.036E	355.967	356.037	---	---	25
26	---	---	---	---	356.011E	355.906E	355.941E	356.036	355.967	356.037	---	---	26
27	---	---	---	---	356.016	355.906	355.936	---	355.957	356.037	---	---	27
28	---	---	---	---	356.021E	355.900E	355.928	---	355.977	356.037	---	---	28
29	356.065		---	---	356.026	355.885E	355.926E	---	355.977	356.037	---	---	29
30	---		---	---	356.026	355.889E	355.926	---	355.977	356.037	---	---	30
31	---		---		356.026		355.928	---		356.038E		---	31
MEAN	---	---	---	---	---	355.980	355.887	---	355.977	356.010	---	---	MEAN
MAX	---	---	---	---	---	356.021	355.956	---	355.002	356.037	---	---	MAX
MIN	---	---	---	---	---	355.889	355.856	---	355.957	355.957	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 52 11 N
LONG 99 02 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA
80 9 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOUBERT CREEK AT ST. PIERRE-JOLYS - STATION NO. 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 8	1 008	1 46	0 251	0 034	0 021	0 001E	0 002E	---	---	1
2	---	---	0 8	2 758	1 35	0 229	0 019A	0 019A	0 001E	0 010A	---	---	2
3	---	---	0 8	4 508	1 23	0 180	0 005E	0 017E	0 001E	0 024	---	---	3
4	---	---	0 8	6 278	1 11	0 150	0 002E	0 015E	0 001E	0 036	---	---	4
5	---	---	0 8	7 728	1 01	0 116	0 020A	0 012E	0 001E	0 059	---	---	5
6	---	---	0 8	10 1 8	0 920	0 111	0 005E	0 010E	0 001E	0 034	---	---	6
7	---	---	0 8	11 8 8	0 819	0 002E	0 008E	0 001E	0 001E	0 038	---	---	7
8	---	---	0 8	11 5	0 731	0 108	0 002E	0 005E	0 001E	0 043	---	---	8
9	---	---	0 8	11 2	0 643	0 090	0 020A	0 003E	0 001E	0 036	---	---	9
10	---	---	0 8	10 2	0 580	0 090	0 064	0 001A	0 015A	0 035	---	---	10
11	---	---	0 8	9 28	0 505	0 097	0 074	0 004E	0 005E	0 036	---	---	11
12	---	---	0 8	7 94	0 447	0 102	0 210	0 002E	0 015A	0 032	---	---	12
13	---	---	0 8	6 68	0 371	0 100	0 158	0 001E	0 005E	0 032	---	---	13
14	---	---	0 8	5 87	0 317	0 073	0 111	0 022A	0 002E	0 032	---	---	14
15	---	---	0 8	5 47	0 305	0 057	0 063	0 036	0 001E	0 030	---	---	15
16	---	---	0 8	5 28	0 283	0 051	0 054	0 016	0 001E	0 029	---	---	16
17	---	---	0 8	5 34	0 287	0 073	0 046	0 015	0 001E	0 028	---	---	17
18	---	---	0 0808	5 41	0 232	0 055	0 052	0 018	0 025A	0 028	---	---	18
19	---	---	0 1708	5 27	0 209	0 052	0 193	0 018	0 010E	0 028	---	---	19
20	---	---	0 2508	4 91	0 198	0 047	0 441	0 019	0 002E	0 031	---	---	20
21	---	---	0 3408	4 43	0 219	0 053	0 358	0 033	0 001E	0 032	---	---	21
22	---	---	0 4208	3 95	0 252	0 077	0 155	0 026	0 001E	0 035	---	---	22
23	---	---	0 5108	3 41	0 273	0 083	0 084	0 031	0 001E	0 038	---	---	23
24	---	---	0 6008	3 00	0 315	0 071	0 089	0 035	0 001E	0 045	---	---	24
25	---	---	0 7008	2 68	0 343	0 058	0 056	0 028	0 001E	0 050	---	---	25
26	---	---	0 8008	2 43	0 351	0 048	0 047	0 010A	0 001E	0 047	---	---	26
27	---	---	0 9008	2 19	0 310	0 037	0 039	0 005E	0 001E	0 047	---	---	27
28	---	---	1 00 8	1 98	0 422	0 036	0 027	0 002E	0 010A	0 043	---	---	28
29	---		0 9508	1 76	0 496	0 029	0 027	0 020A	0 001E	0 047	---	---	29
30	---		0 9008	1 58	0 446	0 025	0 029	0 010A	0 001E	0 051	---	---	30
31	---		0 8508		0 339		0 025	0 002E		0 048		---	31
TOTAL	---	---	8 470	185 02	16 753	2 685	2 501	0 464	0 110	1 105	---	---	TOTAL
MEAN	---	---	0 273	5 53	0 540	0 089	0 081	0 015	0 004	0 036	---	---	MEAN
MAX	---	---	1 00	11 8	1 46	0 251	0 441	0 036	0 025	0 059	---	---	MAX
MIN	---	---	0	1 00	0 198	0 025	0 002	0 001	0 001	0 002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 809
MAXIMUM DAILY 11 88 ON APR 7
MINIMUM DAILY 0 8 ON MAR 1
MAXIMUM INSTANTANEOUS
12 2 AT 05 53 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 26 N
LONG 96 59 23 W
DRAINAGE AREA 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	215
FEB	---	AUG	40 1
MAR	732	SEP	9 50
APR	1 390	OCT	95 6
MAY	1 650	NOV	---
JUN	230	DEC	---

TOTAL DISCHARGE 17 100 dam³

KENTON CREEK AT KENTON - STATION NO 05MG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.432B	0.001	0	0	0	0	0	---	---	1
2	---	---	0 B	0.491B	0.001	0	0	0	0	0	---	---	2
3	---	---	0 B	1.61 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	2.67 B	0.001	0	0	0	0	0	---	---	4
5	---	---	0 B	2.65	0	0	0	0	0	0	---	---	5
6	---	---	0 B	1.70	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.783	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.380	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.154	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.018	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.005	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.004	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.003	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.003	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.003	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.002	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0.0108	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0.1008	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.1508	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.1858	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.2078	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.2738	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.2888	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.2628	0.001	0	0	0	0	0	0	---	---	28
29	---		0.2568	0.001	0	0	0	0	0	0	---	---	29
30	---		0.2518	0.001	0	0	0	0	0	0	---	---	30
31	---		0.2918		0		0	0		0		---	31
TOTAL	---	---	2.195	10.938	0.004	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.071	0.364	0								MEAN
MAX	---	---	0.273	2.67	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 2.678 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.98 AT 17.28 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 100 38 39 W
DRAINAGE AREA, 45.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	180	SEP	0
APR	944	OCT	0
MAY	0.35	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 130 dam³

KENTON RESERVOIR NEAR KENTON - STATION NO 05MG803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	441.278E	441.274	441.220	441.224E	441.092	441.000	440.938E	---	1
2	---	---	---	---	441.286	441.288E	441.233E	441.215	441.086E	440.998E	440.938	---	2
3	---	---	---	---	441.289E	441.282	441.245	441.212E	441.084	440.998	440.937E	---	3
4	---	---	---	---	441.291	441.251E	441.253E	441.208	441.080E	440.993E	440.936	---	4
5	---	---	---	---	441.287E	441.240	441.280	441.200E	441.078	440.990	440.938E	---	5
6	---	---	---	---	441.282	441.243E	441.258E	441.192	441.073E	440.987E	440.936	---	6
7	---	---	---	---	441.275E	441.245	441.252	441.188E	441.070	440.984	440.938E	---	7
8	---	---	---	---	441.288	441.238E	441.249E	441.184	441.088E	440.978E	440.934	---	8
9	---	---	---	441.416	441.288E	441.230	441.245	441.178E	441.065	440.974	440.933E	---	9
10	---	---	---	441.453	441.287	441.231E	441.241E	441.172	441.080	440.973E	440.932	---	10
11	---	---	---	441.378E	441.270E	441.232	441.238	441.189E	441.080	440.972	440.930E	---	11
12	---	---	---	441.302	441.272	441.221E	441.230E	441.185	441.058E	440.971E	440.928	---	12
13	---	---	---	441.298E	441.280	441.210	441.224	441.183E	441.058	440.970	440.927E	---	13
14	---	---	---	441.293	441.286	441.210E	441.218E	441.180	441.056E	440.968E	440.926	---	14
15	---	---	---	441.291E	441.274E	441.210	441.212	441.158E	441.054	440.980	440.925E	---	15
16	---	---	---	441.289	441.282	441.226E	441.207E	441.152	441.053E	440.980E	440.924E	---	16
17	---	---	---	441.288E	441.279E	441.242	441.202	441.149E	441.052	440.960	440.923E	440.900	17
18	---	---	---	441.282	441.275	441.252E	441.231E	441.145	441.050E	440.958E	440.922E	---	18
19	---	---	---	441.254E	441.278E	441.282	441.260	441.140	441.048	440.956	440.921E	---	19
20	---	---	---	441.225	441.281	441.280E	441.254E	441.135	441.044E	440.953E	440.921E	---	20
21	---	---	---	441.224E	441.271E	441.258	441.248	441.130E	441.040	440.950	440.920E	---	21
22	---	---	---	441.222	441.260	441.254E	441.234	441.125	441.035E	440.948E	440.919E	---	22
23	---	441.172	---	441.228E	441.258E	441.260	441.234	441.122E	441.030	440.948	440.918E	---	23
24	---	---	---	441.233	441.258	441.243E	441.231E	441.118	441.028E	440.948E	440.917E	---	24
25	---	---	---	441.237E	441.287E	441.235	441.228	441.114E	441.026	440.948	440.918	---	25
26	---	---	---	441.241	441.278	441.223E	441.228E	441.110	441.025E	440.948E	---	---	26
27	---	---	---	441.247E	441.280E	441.210	441.222	441.107E	441.024	440.948	---	---	27
28	441.184	---	---	441.252	441.284	441.215E	441.228E	441.104	441.022E	440.948E	---	---	28
29	---		---	441.261E	441.285E	441.220	441.230	441.101E	441.020	440.942	---	---	29
30	---		---	441.270	441.286	441.220E	441.231E	441.098	441.010E	440.941E	---	---	30
31	---		---		441.280E		441.232	441.095E		440.940		---	31
MEAN	---	---	---	---	441.275	441.238	441.234	441.153	441.052	440.955	---	---	MEAN
MAX	---	---	---	---	441.291	441.274	441.260	441.224	441.092	441.000	---	---	MAX
MIN	---	---	---	---	441.250	441.210	441.202	441.095	441.010	440.940	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 59 34 N
LONG 100 38 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA
119 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KETTLE RIVER NEAR GILLAM - STATION NO. 05UF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.400	1.730	1.600	1.490	55.1	27.7 E	4.90E	1.55E	1.50	5.20	5.87	2.980	1
2	2.360	1.730	1.590	1.480	64.7	27.8 A	4.75E	1.62E	1.39	5.22	5.850	2.900	2
3	2.320	1.710	1.590	1.500	83.5	25.7 A	4.58A	1.69E	1.44	5.44	5.560	2.840	3
4	2.280	1.680	1.580	1.510	82.5	25.7 A	4.35E	1.74A	1.85	5.56	5.400	2.800	4
5	2.240	1.690	1.580	1.530	80.9	25.0 A	4.10E	1.85E	1.89	5.07	5.250	2.760	5
6	2.200	1.680	1.560	1.530	58.7	24.5 E	3.88A	1.58E	2.11	5.78	5.200	2.700	6
7	2.160	1.660	1.560	1.530	56.7	23.8 E	3.64A	1.44A	2.32	5.73	5.000	2.640	7
8	2.140	1.640	1.560	1.530	54.8A	22.8 A	3.56E	1.41E	2.54	5.88	4.870	2.600	8
9	2.120	1.660	1.550	1.530	52.4E	21.5 A	3.40E	1.39E	2.76	5.84	4.730	2.560	9
10	2.100	1.660	1.550	1.530	51.1E	18.9 A	3.38E	1.36E	3.37	5.87	4.550	2.500	10
11	2.080	1.660	1.550	1.550	49.7A	19.9 A	3.38E	1.35E	4.08	5.98	4.370	2.440	11
12	2.080	1.660	1.530	1.550	47.1A	18.3 A	3.48E	1.34A	4.81	6.22	4.250	2.400	12
13	2.040	1.660	1.530	1.580	45.8A	17.6 E	3.58E	1.41	5.35	6.08	4.130	2.360	13
14	2.020	1.660	1.530	1.590	42.3A	16.2 E	3.82A	1.41	5.75	6.23	4.000	2.300	14
15	2.000	1.650	1.510	1.880	41.7A	14.3 E	3.48E	1.40	5.80	6.00	3.980	2.240	15
16	1.980	1.650	1.510	1.770	40.8E	13.6 A	3.32E	1.31	5.78	6.11	3.900	2.200	16
17	1.960	1.650	1.510	1.800	39.3E	13.6 A	3.16E	1.29	5.71	6.31	3.820	2.180	17
18	1.940	1.650	1.500	2.100	37.9E	12.4 A	3.00E	1.30	5.85	6.54	3.740	2.140	18
19	1.920	1.650	1.500	2.300	36.1A	10.4 A	2.80E	1.27	5.88	6.53	3.640	2.100	19
20	1.900	1.650	1.500	2.600	33.6A	9.84E	2.58A	1.22	5.81	6.39	3.600	2.060	20
21	1.880	1.640	1.490	6.100	30.9A	9.46E	2.68E	1.19	5.84	6.25	3.580	2.000	21
22	1.880	1.640	1.490	19.5 E	31.3A	9.28A	2.78A	1.20	5.91	6.44	3.500	1.980	22
23	1.840	1.640	1.490	37.3 E	30.0E	8.68A	2.46E	1.11	5.90	6.55	3.400	1.960	23
24	1.820	1.640	1.490	46.2 E	28.9E	8.35A	2.18A	1.07	5.35	6.35	3.380	1.920	24
25	1.800	1.620	1.490	46.8 E	27.4A	8.05A	1.90E	1.19	5.20	6.50	3.300	1.880	25
26	1.780	1.620	1.490	52.3 E	27.2A	7.15A	1.85E	1.09	5.22	6.59	3.240	1.840	26
27	1.780	1.620	1.490	56.4	26.7A	6.40E	1.47A	1.08	5.36	6.86	3.180	1.800	27
28	1.770	1.600	1.490	70.8	26.0A	5.89E	1.58E	1.19	5.22	6.67	3.100	1.790	28
29	1.770		1.490	88.8	25.4A	5.35A	1.60A	1.36	5.11	6.97	3.040	1.770	29
30	1.760		1.490	87.5	25.2E	5.10A	1.58E	1.89	4.83	6.96	3.000	1.740	30
31	1.740		1.490		25.9E		1.48A	1.84		6.82		1.710	31
TOTAL	62.04	48.52	47.28	513.77	1 312.5	483.95	94.18	42.52	130.01	188.98	124.17	70.07	TOTAL
MEAN	2.00	1.66	1.53	17.1	42.3	16.5	3.04	1.37	4.33	6.03	4.14	2.26	MEAN
MAX	2.40	1.73	1.60	70.8	88.1	27.9	4.90	1.74	5.91	6.59	5.87	2.98	MAX
MIN	1.74	1.60	1.48	1.48	25.4	5.10	1.48	1.07	1.39	5.20	3.00	1.71	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.67
MAXIMUM DAILY, 70.8 ON APR 28
MINIMUM DAILY, 1.07 ON AUG 24
MAXIMUM INSTANTANEOUS,
75.7 AT 22.50 CST ON APR 28

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 20 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 980 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 380	JUL	8 140
FEB	4 020	AUG	3 670
MAR	4 080	SEP	11 200
APR	44 300	OCT	16 200
MAY	113 000	NOV	10 700
JUN	40 100	DEC	6 050

TOTAL DISCHARGE, 267 000 dam³

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05DA803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	492.101E	492.088	492.079	492.742	492.468E	492.281E	492.156	492.121E	492.333E	492.242E	492.138	492.088E	1
2	492.101E	492.085E	492.094E	492.741E	492.485E	492.261E	492.153E	492.123	492.323E	492.239E	492.136E	492.085	2
3	492.101E	492.081E	492.106	492.740E	492.461	492.260	492.150E	492.121E	492.313	492.237E	492.136E	492.085E	3
4	492.101	492.076	492.080	492.739E	492.454E	492.260E	492.148E	492.118E	492.310E	492.234	492.136	492.085E	4
5	492.101E	492.081E	492.080E	492.736	492.443E	492.260E	492.143	492.116E	492.306E	492.231E	492.134E	492.085E	5
6	492.101E	492.083E	492.080E	492.776E	492.441	492.260E	492.133E	492.113	492.303	492.227E	492.131E	492.085	6
7	492.101	492.085E	492.080E	492.819E	492.426E	492.260	492.123E	492.110E	492.300E	492.224	492.129E	492.085E	7
8	492.101E	492.085	492.080	492.859	492.410E	492.260E	492.113	492.106E	492.297E	492.222E	492.126	492.085E	8
9	492.101E	492.085E	492.081E	492.849E	492.395E	492.260E	492.108E	492.103	492.294	492.219E	492.123E	492.085E	9
10	492.101E	492.084E	492.083E	492.838E	492.379	492.260	492.103E	492.096E	492.287E	492.217E	492.119E	492.085	10
11	492.101	492.085	492.084	492.828E	492.378E	492.260E	492.098E	492.090E	492.279E	492.214	492.116	492.082E	11
12	492.101E	492.086E	492.073E	492.817	492.378E	492.259E	492.093	492.083	492.272E	492.204E	492.116E	492.078E	12
13	492.101E	492.086E	492.062E	492.787E	492.377	492.259E	492.088E	492.153E	492.264	492.194E	492.116E	492.075	13
14	492.101	492.086E	492.050E	492.758E	492.372E	492.258	492.100E	492.223E	492.264E	492.184	492.116E	492.076E	14
15	492.089E	492.088	492.039	492.728	492.368E	492.251E	492.103	492.283E	492.264E	492.179E	492.116	492.078E	15
16	492.088E	492.088E	492.057E	492.711E	492.383E	492.243E	492.101E	492.363	492.264	492.174E	492.116E	492.079	16
17	492.084E	492.088E	492.075E	492.698E	492.358	492.236	492.098E	492.370E	492.264E	492.169E	492.116E	492.076E	17
18	492.091	492.086	492.093	492.680E	492.356E	492.217E	492.098E	492.378E	492.264E	492.164	492.116	492.073E	18
19	492.091E	492.086E	492.157E	492.664	492.357E	492.199E	492.093	492.383	492.264E	492.161E	492.114E	492.069E	19
20	492.091E	492.083E	492.221E	492.642E	492.357	492.180E	492.118E	492.378E	492.264	492.157E	492.111E	492.065	20
21	492.091	492.081E	492.284E	492.620E	492.330E	492.161	492.143	492.373E	492.264E	492.154	492.109E	492.068E	21
22	492.091E	492.078	492.346	492.587E	492.302E	492.161E	492.133	492.368E	492.264E	492.154E	492.106	492.068E	22
23	492.091E	492.078E	492.528E	492.575	492.275E	492.160E	492.131E	492.363	492.264	492.154E	492.104E	492.065	23
24	492.091E	492.078E	492.707	492.588E	492.247	492.160	492.128E	492.380E	492.282E	492.154E	492.102E	492.064E	24
25	492.091	492.078E	492.784E	492.562E	492.278E	492.162E	492.126E	492.356E	492.289E	492.154	492.099E	492.061E	25
26	492.091E	492.078	492.801	492.558E	492.303E	492.184E	492.123	492.353	492.257E	492.148	492.097	492.059E	26
27	492.091E	492.078E	492.788E	492.548E	492.331	492.188	492.118E	492.353E	492.254	492.148E	492.098E	492.058	27
28	492.090E	492.078E	492.784E	492.542	492.314E	492.184E	492.113	492.353E	492.251E	492.146	492.098E	492.058E	28
29	492.090		492.791	492.507E	492.297E	492.181E	492.118E	492.353E	492.247E	492.144E	492.095	492.058E	29
30	492.089E		492.778E	492.472	492.279E	492.169E	492.117E	492.353	492.244	492.141E	492.092E	492.056	30
31	492.089E		492.768E		492.262		492.119E	492.343E		492.139E		492.056E	31
MEAN	492.096	492.084	492.283	492.690	492.382	492.219	492.119	492.251	492.277	492.185	492.115	492.073	MEAN
MAX	492.101	492.088	492.801	492.859	492.488	492.261	492.156	492.383	492.333	492.242	492.136	492.088	MAX
MIN	492.089	492.078	492.039	492.472	492.247	492.159	492.093	492.083	492.244	492.139	492.092	492.056	MIN

WATER LEVELS IN METRES

MEAN, 492.230
MAXIMUM DAILY, 492.859 ON APR 8
MINIMUM DAILY, 492.039 ON MAR 15

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 30 N
LONG 99 40 12 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1956

DRAINAGE AREA,
234 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO. 05UB013

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	213.040	212.894	212.975	212.932	213.087	213.119	213.065	213.015	---	---	---	---	1
2	213.045	212.891	212.980	212.932	213.092	213.127	213.068	212.979	---	---	---	---	2
3	213.039	212.890	212.957	212.931	213.086	213.103	213.063	212.975	---	---	---	---	3
4	213.038	212.891	212.959	212.921	213.108	213.105	213.039	212.997	---	---	---	---	4
5	213.042	212.893	212.957	212.929	213.100	213.104	213.028	212.979	---	---	---	---	5
6	213.036	212.893	212.950	212.925	213.088	213.094	213.046	213.004	---	---	---	---	6
7	213.028	212.882	212.952	212.928	213.088	213.096	213.066	213.005	---	---	---	---	7
8	213.033	212.884	212.942	212.936	213.095	213.104	213.077	212.997	---	---	---	---	8
9	213.034	212.867	212.940	212.926	213.078	213.087	213.069	212.985	---	---	---	---	9
10	213.036	212.875	212.943	212.922	213.088	213.080	213.039	212.984	---	---	---	---	10
11	213.038	212.877	212.941	212.927	213.080	213.086	213.060	212.990	---	---	---	---	11
12	213.025	212.874	212.943	212.934	213.080	213.087	213.075	---	---	---	---	---	12
13	213.021	212.871	212.944E	212.937	213.091	213.092	213.067	---	---	---	---	---	13
14	213.004	212.874	212.943E	212.930	213.068	213.091	213.061	---	---	---	---	---	14
15	212.989	212.861	212.942E	212.935	213.088	213.071	213.058	---	---	---	---	---	15
16	212.989	212.885	212.942E	212.935	213.083	213.087	213.048	---	---	---	---	---	16
17	213.004	212.887	212.941E	212.951	213.084	213.087	213.048	---	212.958A	---	---	---	17
18	212.992	212.885	212.942E	212.954	213.088	213.088	213.044	---	212.953	---	---	---	18
19	212.993	212.882	212.943E	212.956	213.085	213.084	213.040	---	212.955	---	---	---	19
20	212.999	212.880	212.944E	212.887	213.084	213.073	213.071	---	212.950	---	---	---	20
21	213.002	212.878	212.945E	212.999	213.077	213.047	213.087	---	---	---	---	---	21
22	212.983	212.871	212.947E	213.007	213.082	213.077	213.088	---	---	---	---	---	22
23	212.980	212.864	212.948A	213.018	213.082	213.088	213.080	---	---	---	---	---	23
24	212.975	212.870	212.953	213.032	213.080	213.105	213.089	---	---	---	---	---	24
25	212.983	212.866	212.968	213.048	213.084	213.092	213.067	---	---	---	---	---	25
26	212.984	212.861	212.941	213.067	213.080	213.097	213.083	---	---	---	---	---	26
27	213.001A	212.858	212.933	213.061	213.085	213.088	213.046	---	---	---	---	---	27
28	213.001	212.858	212.933	213.069	213.039	213.078	213.040	---	---	---	---	---	28
29	212.984		212.929	213.074	213.093	213.076	213.028	---	---	---	---	---	29
30	212.982		212.927	213.082	213.092	213.079	213.014	---	---	---	---	---	30
31	212.986		212.931		213.098		213.021	---	---	---	---	---	31
MEAN	213.011	212.879	212.948	212.973	213.086	213.089	213.054	---	---	---	---	---	MEAN
MAX	213.045	212.894	212.975	213.082	213.108	213.127	213.089	---	---	---	---	---	MAX
MIN	212.975	212.858	212.927	212.921	213.039	213.047	213.014	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 213.127 CM JUN 2

MAXIMUM INSTANTANEOUS,
213.277 AT 17 50 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 10 N
LONG 98 26 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

KISKITTOGISU LAKE AT WHISKEY JACK LANDING - STATION NO. 05UB017

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	217.388	217.090	217.013	216.708	1
2	---	---	---	---	---	---	---	---	217.529	217.116	217.035	216.678	2
3	---	---	---	---	---	---	---	---	217.893	217.252	217.035	216.653	3
4	---	---	---	---	---	---	---	---	217.817	217.282	216.977	216.629	4
5	---	---	---	---	---	---	---	---	217.531	217.025	216.977	216.612	5
6	---	---	---	---	---	---	---	---	217.509	216.989	216.938	216.611	6
7	---	---	---	---	---	---	---	---	217.804	217.031	216.956	216.598	7
8	---	---	---	---	---	---	---	---	217.990	217.076	216.946	216.599	8
9	---	---	---	---	---	---	---	---	217.555	217.003	216.927	216.594	9
10	---	---	---	---	---	---	---	---	217.424	217.024	216.859	216.568	10
11	---	---	---	---	---	---	---	---	217.388	217.060	216.747	216.588	11
12	---	---	---	---	---	---	---	---	217.418	217.179	216.805	216.520	12
13	---	---	---	---	---	---	---	---	217.485	217.231	216.786	216.484	13
14	---	---	---	---	---	---	---	217.675A	217.520	217.001	216.785	216.471	14
15	---	---	---	---	---	---	---	---	217.478	217.005	216.828	216.470	15
16	---	---	---	---	---	---	---	---	217.505	217.061	216.838	216.471	16
17	---	---	---	---	---	---	---	---	217.447	217.135	216.805	216.472	17
18	---	---	---	---	---	---	---	---	217.322	217.075	216.805	216.477	18
19	---	---	---	---	---	---	---	217.574A	217.385	216.959	216.799	216.483	19
20	---	---	---	---	---	---	---	217.535	217.427	216.810	216.780	216.495	20
21	---	---	---	---	---	---	217.658A	217.586	217.471	216.952	216.781	216.503	21
22	---	---	---	---	---	---	---	217.400	217.488	217.052	216.830	216.499	22
23	---	---	---	---	---	---	---	217.439	217.360	217.112	216.815	216.500	23
24	---	---	---	---	---	---	---	217.496	217.320	217.189	216.775	216.496	24
25	---	---	---	---	---	---	---	217.556	217.361	217.292	216.770	216.492	25
26	---	---	---	---	---	---	---	217.520	217.416	217.226	216.777	216.491	26
27	---	---	---	---	---	---	---	217.543	217.443	216.953	216.773	216.485	27
28	---	---	---	---	---	---	---	217.693	217.399	216.931	216.778	216.478	28
29	---	---	---	---	---	---	---	217.655	217.277	216.966	216.769	216.469	29
30	---	---	---	---	---	---	---	217.301	217.240	216.891	216.740	216.484	30
31	---	---	---	---	---	---	---	217.322		216.909		216.456	31
MEAN	---	---	---	---	---	---	---	---	217.456	217.064	216.788	216.532	MEAN
MAX	---	---	---	---	---	---	---	---	217.893	217.292	217.035	216.708	MAX
MIN	---	---	---	---	---	---	---	---	217.240	216.891	216.527	216.456	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 20 N
LONG 98 00 20 W

A - MANUAL GAUGE

REGULATED SINCE 1978

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1968 ADJ.)

KISKITTOGISU LAKE NEAR NORWAY HOUSE - STATION NO. 05UB007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	215.908	215.885	215.831	216.438	217.376	217.654	217.593	217.641	---	---	---	---	1
2	215.913	215.858	215.835	216.483	217.409	217.622	217.587	217.611	---	---	---	---	2
3	215.908	215.852	215.823	216.481	217.458	217.589	217.610	217.472	---	---	---	---	3
4	215.908	215.851	215.830	216.477	217.543	217.415	217.648	217.508	---	---	---	---	4
5	215.909	215.859	215.835	216.501	217.535	217.509	217.559	217.505	---	---	---	---	5
6	215.901	215.856	215.840	216.505	217.481	217.555	217.535	217.597	---	---	---	---	6
7	215.900	215.851	215.851	216.526	217.447	217.540	217.604	217.594	---	---	---	---	7
8	215.900	215.844	215.884	216.581	217.478	217.549	217.580	217.636	---	---	---	---	8
9	215.900	215.847	215.878	216.581	217.331	217.575	217.677	217.507	---	---	---	---	9
10	215.903	215.847	215.889	216.593	217.381	217.589	217.617	217.537	---	---	---	---	10
11	215.900	215.848	215.911	216.602	217.385	217.703	217.492	217.592	---	---	---	---	11
12	215.887	215.849	215.938	216.628	217.472	217.615	217.522	217.560	---	---	---	---	12
13	215.880	215.850	215.959	216.651	217.480	217.588	217.580	217.502A	---	---	---	---	13
14	215.881	215.845	215.987	216.707	217.409	217.573	217.608	---	---	---	---	---	14
15	215.883	215.847	216.008	216.780	217.480	217.583	217.683	---	---	---	---	---	15
16	215.889	215.851	216.042	216.814	217.430	217.637	217.662	---	---	---	---	---	16
17	215.891	215.848	216.083	216.857	217.427	217.691	217.555	---	---	---	---	---	17
18	215.892	215.840	216.098	216.894	217.487	217.613	217.528	---	---	---	---	---	18
19	215.891	215.835	216.128	216.939	217.516	217.640	217.580	---	---	---	---	---	19
20	215.884	215.838	216.156	216.976	217.471	217.681	217.601	---	---	---	---	---	20
21	215.881	215.836	216.179	217.026	217.274	217.647	217.611	---	---	---	---	---	21
22	215.870	215.834	216.199	217.102	217.321	217.673	217.638	---	---	---	---	---	22
23	215.865	215.833	216.226	217.153	217.410	217.653	217.572	---	---	---	---	---	23
24	215.861	215.829	216.254	217.195	217.471	217.685	217.526	---	---	---	---	---	24
25	215.881	215.826	216.277	217.241	217.538	217.577	217.571	---	---	---	---	---	25
26	215.862	215.824	216.308	217.282	217.547	217.456	217.581	---	---	---	---	---	26
27	215.872	215.822	216.345	217.272	217.508	217.519	217.635	---	---	---	---	---	27
28	215.878	215.830	216.382	217.327	217.448	217.503	217.632	---	---	---	---	---	28
29	215.877		216.376	217.287	217.463	217.446	217.602	---	---	---	---	---	29
30	215.871		216.394	217.329	217.471	217.493	217.613	---	---	---	---	---	30
31	215.870		216.417		217.543		217.621	---		---		---	31
MEAN	215.887	215.843	216.068	216.837	217.451	217.583	217.583	---	---	---	---	---	MEAN
MAX	215.913	215.885	216.417	217.329	217.547	217.703	217.677	---	---	---	---	---	MAX
MIN	215.861	215.822	215.823	216.438	217.274	217.389	217.492	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 217.703 ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 46 N
LONG 98 07 27 W

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1968 ADJ.)

KISSISSING LAKE AT COLD LAKE - STATION NO. 05EA009

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.260	---	---	---	---	30.288	30.271	30.237	30.132	30.112	30.062	30.050	1
2	30.262	---	---	---	---	30.310	30.281	30.222	30.124	30.098	30.072	30.048	2
3	30.259	---	---	---	---	30.289	30.278	30.223	30.132	30.099	30.078	30.048	3
4	30.260	---	---	---	---	30.298	30.272	30.222	30.149	30.100	30.084	30.047	4
5	30.264	---	---	---	---	30.295	30.266	30.212	30.136	30.102	30.071	30.045	5
6	30.280	---	---	---	---	30.293	30.285	30.212	30.145	30.100	30.081	30.047	6
7	30.282	---	---	---	---	30.302	30.289	30.206	30.146	30.095	30.085	30.044	7
8	30.283	---	---	---	---	30.308A	30.287	30.211	30.144	30.086	30.084	30.052	8
9	30.281	---	---	---	---	30.301	30.285	30.194	30.143	30.110	30.098	30.053	9
10	30.280	---	---	---	---	30.295	30.269	30.181	30.138	30.101	30.058	30.049	10
11	30.282	---	---	---	30.257	30.305	30.272	30.193	30.138	30.093	30.060	30.051	11
12	30.281	---	---	---	30.247	30.308	30.275	30.215	30.126	30.087	30.081	30.050	12
13	30.283	---	---	---	30.281	30.327	30.272	30.209	30.125	30.123	30.098	30.050A	13
14	30.257	---	---	---	30.249	30.317	30.266	30.192	30.127	30.098	30.053	30.049A	14
15	30.252	---	---	---	30.258	30.305	30.283	30.190	30.118	30.084	30.059	30.047	15
16	30.250	---	---	---	---	30.289	30.288	30.188	30.118	30.081	30.062	30.046A	16
17	30.252	---	---	---	---	30.316	30.273	30.188	30.118	30.089	30.059	30.045	17
18	30.245	---	---	---	30.240A	30.305	30.267	30.190	30.115	30.098	30.081	30.044A	18
19	30.245	---	---	---	30.239A	30.301	30.283	30.182	30.113	30.083	30.082	30.045	19
20	30.247	---	---	---	30.250	30.295	30.273	30.176	30.113	30.077	30.058	30.049	20
21	30.251	---	---	---	30.238	30.281	30.274	30.175	30.120	30.085	30.057	30.048	21
22	30.241	---	---	---	---	30.294	30.275	30.189	30.136	30.088	30.058	30.048	22
23	---	---	---	---	---	30.313	30.271	30.185	30.125	30.071	30.055	30.047	23
24	---	---	---	---	30.233A	30.309	30.258	30.157	30.122	30.076	30.055	30.045	24
25	---	---	---	---	30.236A	30.314	30.257	30.153	30.119	30.078	30.055	30.045A	25
26	---	---	---	---	30.245	30.299	30.254	30.157	30.111	30.089	30.056	30.047A	26
27	---	---	---	---	30.243	30.298	30.254	30.154	30.115	30.071	30.052	30.045	27
28	---	---	---	---	30.236	30.296	30.255	30.151	30.115	30.086	30.053	30.042	28
29	---		---	---	30.259	30.293	30.263	30.155	30.112	30.079	30.053	30.042	29
30	---		---	---	30.255	30.284	30.233	30.149	30.104	30.086	30.052	30.047A	30
31	---		---		30.254		30.237	30.143		30.081		30.043A	31
MEAN	---	---	---	---	---	30.301	30.285	30.187	30.125	30.087	30.060	30.047	MEAN
MAX	---	---	---	---	---	30.327	30.281	30.237	30.149	30.123	30.084	30.053	MAX
MIN	---	---	---	---	---	30.281	30.233	30.143	30.104	30.081	30.052	30.042	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 30.327 ON JUN 13
MINIMUM DAILY, 30.042 ON DEC 28
MAXIMUM INSTANTANEOUS,
30.378 AT 16 40 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 08 50 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

KRONSGART DRAIN NEAR SEWELL - STATION NO. 05OC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	---	---	---	---	---	---	1
2	---	---	0B	0 B	0	0	---	---	---	---	---	---	2
3	---	---	0B	0 B	0	0	---	---	---	---	---	---	3
4	---	---	0B	0 B	0	0	---	---	---	---	---	---	4
5	---	---	0B	0 B	0	0	---	---	---	---	---	---	5
6	---	---	0B	1.00 B	0	0	---	---	---	---	---	---	6
7	---	---	0B	11.4 B	0	0	---	---	---	---	---	---	7
8	---	---	0B	8.85	0	0	---	---	---	---	---	---	8
9	---	---	0B	5.92	0	0	---	---	---	---	---	---	9
10	---	---	0B	2.84	0	0	---	---	---	---	---	---	10
11	---	---	0B	0.844	0	0	---	---	---	---	---	---	11
12	---	---	0B	0.301	0	0	---	---	---	---	---	---	12
13	---	---	0B	0.212	0	0	---	---	---	---	---	---	13
14	---	---	0B	0.071	0	0	---	---	---	---	---	---	14
15	---	---	0B	0.038	0	0	---	---	---	---	---	---	15
16	---	---	0B	0.024	0	0A	---	---	---	---	---	---	16
17	---	---	0B	0.020	0	0	---	---	---	---	---	---	17
18	---	---	0B	0.007	0	0	---	---	---	---	---	---	18
19	---	---	0B	0	0	0	---	---	---	---	---	---	19
20	---	---	0B	0	0	0	---	---	---	---	---	---	20
21	---	---	0B	0	0	0	---	---	---	---	---	---	21
22	---	---	0B	0	0	0	---	---	---	---	---	---	22
23	---	---	0B	0	0	0	---	---	---	---	---	---	23
24	---	---	0B	0	0	0	---	---	---	---	---	---	24
25	---	---	0B	0	0	0	---	---	---	---	---	---	25
26	---	---	0B	0	0	0	---	---	---	---	---	---	26
27	---	---	0B	0	0	0	---	---	---	---	---	---	27
28	---	---	0B	0	0	0	---	---	---	---	---	---	28
29	---		0B	0	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---		---	---	---	31
TOTAL	---	---	0	31.324	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	1.04	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	11.4	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.257
MAXIMUM DAILY, 11.48 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.2 AT 04 30 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 50 N
LONG 97 30 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	2 710	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 710 dam³

LA SALLE RIVER ABOVE DAM AT SANFORD - STATION NO. 05OC808

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	232.834	232.840	232.768	232.815E	232.794E	232.831E	232.837E	---	1
2	---	---	---	---	232.837E	232.837E	232.787E	232.815E	232.791	232.831	232.837	---	2
3	---	---	---	---	232.840E	232.834	232.785	232.815	232.788E	232.831E	232.837E	---	3
4	---	---	---	---	232.843	232.831E	232.788E	232.812E	232.785	232.831E	232.837	---	4
5	---	---	---	234.708	232.837E	232.828	232.791E	232.809	232.797E	232.831	232.837E	---	5
6	---	---	---	235.129	232.831	232.826E	232.794E	232.812E	232.809E	232.831E	232.837	---	6
7	---	---	---	---	232.829E	232.824E	232.797	232.815	232.821	232.831	232.837E	---	7
8	---	---	---	---	232.828	232.821	232.809E	232.817E	232.834E	232.834E	232.837E	---	8
9	---	---	---	---	232.827E	232.821E	232.813E	232.813E	232.846	232.837	232.837	---	9
10	---	---	---	---	232.828E	232.821	232.821	232.821	232.841E	232.837E	232.837E	---	10
11	---	---	---	---	232.825	232.821E	232.821E	232.818E	232.837	232.837E	232.837	---	11
12	---	---	---	---	232.817E	232.821	232.821	232.815	232.832E	232.837	232.837E	---	12
13	---	---	---	---	232.809	232.821E	232.821E	232.818E	232.827E	232.837E	232.837	---	13
14	---	---	---	---	232.809E	232.821E	232.821	232.821	232.821	232.837	232.837E	---	14
15	---	---	---	---	232.809	232.821	232.821E	232.862E	232.821E	232.837E	232.837E	---	15
16	---	---	---	---	232.809E	232.821E	232.821	232.943E	232.821	232.837	232.837	---	16
17	---	---	---	---	232.809E	232.821	232.821E	233.004	232.821E	232.837E	---	---	17
18	---	---	---	---	232.809	232.821E	232.821E	232.968E	232.821	232.837E	---	---	18
19	---	---	---	---	232.817E	232.821	232.821E	232.934	232.831E	232.837	---	---	19
20	---	---	---	---	232.825	232.818E	232.821	232.962	232.840E	232.837E	---	---	20
21	---	---	---	---	232.823E	232.815E	232.821E	232.895	232.849	232.837	---	---	21
22	---	---	---	---	232.821	232.812	232.821	232.862E	232.834E	232.835E	---	---	22
23	---	---	---	---	232.821E	232.806E	232.821E	232.870E	232.818	232.834	---	---	23
24	---	---	---	---	232.821E	232.800	232.821	232.858	232.821E	232.834E	---	---	24
25	---	---	---	---	232.821	232.793E	232.821E	232.855E	232.825	232.834E	---	---	25
26	---	---	---	---	232.821E	232.789	232.821E	232.852	232.826E	232.834	---	---	26
27	---	---	---	---	232.821	232.781E	232.821	232.852E	232.825E	232.834E	---	---	27
28	---	---	---	232.879	232.834E	232.777E	232.821E	232.852	232.825	232.834	---	---	28
29	---		---	232.867E	232.846	232.773	232.821	232.834E	232.826E	232.835E	---	---	29
30	---		---	232.855	232.844E	232.761E	232.831	232.815E	232.831	232.837	---	---	30
31	---		---		232.842E		232.815	232.797		232.837E	---	---	31
MEAN	---	---	---	---	232.829	232.813	232.811	232.854	232.822	232.835	---	---	MEAN
MAX	---	---	---	---	232.846	232.840	232.831	233.004	232.849	232.837	---	---	MAX
MIN	---	---	---	---	232.809	232.761	232.748	232.797	232.785	232.831	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 26 58 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
1 820 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE DAM AT STARBUCK - STATION NO. 05OGA05

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	235.684E	235.685	---	235.653	235.682E	235.658E	---	---	---	1
2	---	---	---	235.690	235.681E	---	235.653E	235.658E	235.653	---	---	---	2
3	---	---	---	235.690E	235.657E	---	235.653	235.684E	235.658E	---	---	---	3
4	---	---	---	235.690	235.653	---	235.653E	235.653	235.685	---	---	---	4
5	---	---	---	236.324E	235.647E	---	235.653E	235.658E	235.677E	---	---	---	5
6	---	---	---	236.958	235.641	---	235.653	235.685	235.690E	---	---	---	6
7	---	---	---	237.877	235.641E	---	235.653E	235.685E	235.702	---	---	---	7
8	---	---	---	238.031	235.641	---	235.653	235.685	235.702E	---	---	---	8
9	---	---	---	238.055	235.641E	235.685	235.653E	235.671E	235.702	---	---	---	9
10	---	---	---	237.970	235.641E	235.685E	235.653	235.677	235.702E	---	---	---	10
11	---	---	---	237.811	235.641	235.685	235.657E	235.677E	235.702	---	---	---	11
12	---	---	---	237.816	235.641E	235.685E	235.661E	235.677	235.702E	---	---	---	12
13	---	---	---	237.298E	235.641	235.685	235.665	235.677E	235.702E	---	---	---	13
14	---	---	---	236.982	235.641E	235.689E	235.668E	235.677	235.702	---	---	---	14
15	---	---	---	236.543E	235.641	235.683	235.685	---	235.705E	---	---	---	15
16	---	---	---	236.104	235.648E	235.682E	235.671E	---	235.704	---	---	---	16
17	---	---	---	235.933	235.649E	235.653	235.677	---	235.708E	---	---	---	17
18	---	---	---	235.846	235.653	235.689E	235.673E	---	235.708	---	---	---	18
19	---	---	---	235.822E	235.653E	235.685	235.689E	---	235.708E	---	---	---	19
20	---	---	---	235.795E	235.653	235.685E	235.685	---	235.708E	---	---	---	20
21	---	---	---	235.769	235.658E	235.685E	235.685E	---	235.708E	---	---	---	21
22	---	---	---	235.741E	235.685	235.685	235.685	235.685	235.708	---	---	---	22
23	---	---	235.812	235.714	---	235.658E	235.685E	235.685E	235.714E	---	---	---	23
24	---	---	235.738E	235.711E	---	235.653	235.685	235.685	235.720	---	---	---	24
25	---	---	235.685	235.708	---	235.647E	235.685E	235.685E	235.720E	---	---	---	25
26	---	---	235.677	235.699E	---	235.641	235.685E	235.685	235.720	---	---	---	26
27	---	---	235.677E	235.690	---	235.641E	235.685	235.685E	---	---	---	---	27
28	---	---	235.677	235.684E	---	235.641E	235.685E	235.685	---	---	---	---	28
29	---		235.677E	235.677	---	235.641	235.685	235.685E	---	---	---	---	29
30	---		235.677	235.671E	---	235.647E	235.685E	235.685E	---	---	---	---	30
31	---		235.677		---		235.685	235.685		---		---	31
MEAN	---	---	---	236.353	---	---	235.662	---	---	---	---	---	MEAN
MAX	---	---	---	238.055	---	---	235.677	---	---	---	---	---	MAX
MIN	---	---	---	235.671	---	---	235.653	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 238.055 ON APR 9

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 46 12 N
LONG 97 36 54 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1961

DRAINAGE AREA,
1 710 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE HAMPSON'S DAM - STATION NO. 05OGB01

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	233.298E	233.322	233.285E	233.306E	233.292	233.550	233.563E	---	1
2	---	---	---	---	233.298E	233.322E	233.292	233.309E	233.287E	233.550E	233.550	---	2
3	---	---	---	---	233.297E	233.322	233.282E	233.312	233.282	233.550	233.550E	---	3
4	---	---	---	---	233.297	233.322E	233.272	233.302E	233.282E	233.550E	233.550	---	4
5	---	---	---	---	233.297E	233.322	233.272E	233.292	233.282	233.550	233.550E	---	5
6	---	---	---	---	233.297	233.315E	233.272	233.292E	233.317E	233.548E	233.550	---	6
7	---	---	---	---	233.297E	233.309E	233.272E	233.292	233.282	233.540	---	---	7
8	---	---	---	---	233.297	233.302	233.272	233.292E	233.362E	233.535E	---	---	8
9	---	---	---	---	233.289E	233.302E	233.297E	233.292E	233.372	233.530	---	---	9
10	---	---	---	---	233.280E	233.302	233.322	233.292	233.372E	233.533E	---	---	10
11	---	---	---	---	233.272	233.307E	233.315E	233.307E	233.372	233.535E	---	---	11
12	---	---	---	---	233.272E	233.312	233.309E	233.322	233.375E	233.538E	---	---	12
13	---	---	---	---	233.272	233.307E	233.302	233.322E	233.379E	233.540	---	---	13
14	---	---	---	---	233.267E	233.302E	233.302E	233.322	233.382	233.540E	---	---	14
15	---	---	---	---	233.262	233.297	233.302	233.406E	233.426E	233.540	---	---	15
16	---	---	---	---	233.269E	233.297E	233.302E	233.469E	233.468	233.540E	---	---	16
17	---	---	---	---	233.275E	233.297	233.302	233.572	233.469E	233.540	---	---	17
18	---	---	---	---	233.282	233.288E	233.309E	233.577E	233.470	233.540E	---	---	18
19	---	---	---	---	233.292E	233.282	233.315E	233.582	233.478E	233.540	---	---	19
20	---	---	---	---	233.302	233.288E	233.322	233.527E	233.485E	233.540E	---	---	20
21	---	---	---	---	233.297E	233.278E	233.322E	233.472	233.493E	233.540	---	---	21
22	---	---	---	---	233.292	233.272	233.322	233.455E	233.500	233.540E	---	---	22
23	---	---	---	---	233.294E	233.277E	233.317E	233.438E	233.510E	233.540	---	---	23
24	---	---	---	---	233.286E	233.282	233.312	233.422	233.520	233.547E	---	---	24
25	---	---	---	---	233.297	233.277E	233.309E	233.397E	233.520E	233.553E	---	---	25
26	---	---	---	---	233.297E	233.272	233.309E	233.372	233.520	233.560	---	---	26
27	---	---	---	---	233.297	233.272E	233.302	233.347E	233.533E	233.570E	---	---	27
28	---	---	---	---	233.310E	233.272E	233.307E	233.322	233.547E	233.580	---	---	28
29	---		---	---	233.322	233.272	233.312	233.318E	233.580	233.575E	---	---	29
30	---		---	---	233.323E	233.278E	233.300	233.307E	233.555E	233.570	---	---	30
31	---		---		233.322E		233.303E	233.300E		233.567E		---	31
MEAN	---	---	---	---	233.292	233.286	233.301	233.373	233.426	233.547	---	---	MEAN
MAX	---	---	---	---	233.322	233.322	233.322	233.582	233.580	233.580	---	---	MAX
MIN	---	---	---	---	233.262	233.272	233.272	233.292	233.282	233.530	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 16 N
LONG 97 31 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1955

DRAINAGE AREA
1 790 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE HOGUE'S DAM - STATION NO 05OGB02

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	229.550E	229.568	229.534	229.607E	229.507E	229.680E	229.642E	---	1
2	---	---	---	---	229.548E	229.580E	229.540E	229.579E	229.474	229.673	229.640	---	2
3	---	---	---	---	229.548E	229.552	229.545	229.552	229.520E	229.673E	229.640E	---	3
4	---	---	---	---	229.547	229.550E	229.546E	229.550E	229.565	229.673E	229.639	---	4
5	---	---	---	---	229.548E	229.548	229.547E	229.548	---	229.673	229.639E	---	5
6	---	---	---	---	229.544	229.548E	229.548	229.548E	---	229.673E	229.639	---	6
7	---	---	---	---	229.542E	229.548E	229.561E	229.547	---	229.673	229.635E	---	7
8	---	---	---	---	229.539	229.550	229.554	229.551E	---	229.672E	229.631E	---	8
9	---	---	---	---	229.536E	229.551E	229.571E	229.555E	---	229.670	229.627	---	9
10	---	---	---	---	229.532E	229.552	229.568	229.559	---	229.680E	229.620E	---	10
11	---	---	---	---	229.529	229.553E	229.585E	229.562E	---	229.650E	229.613	---	11
12	---	---	---	---	229.522E	229.554	229.582E	229.584	---	229.640	229.609E	---	12
13	---	---	---	---	229.514	229.548E	229.575	229.587E	---	229.640E	229.605	---	13
14	---	---	---	---	229.514E	229.543E	229.582E	229.589	229.708	229.640	229.605E	---	14
15	---	---	---	---	229.514	229.538	229.584	229.614E	229.703E	229.643E	229.605E	---	15
16	---	---	---	---	229.518E	229.539E	229.587E	229.659E	229.686	229.645	229.605	---	16
17	---	---	---	---	229.518E	229.540	229.590	229.704	229.687E	229.641E	229.605E	---	17
18	---	---	---	---	229.520	229.541E	229.592E	229.711E	229.695	229.637E	229.605	---	18
19	---	---	---	---	229.530E	229.542	229.585E	229.717	229.688E	229.633	229.605E	---	19
20	---	---	---	---	229.540	229.541E	229.587	229.686E	229.702E	229.631E	229.605	---	20
21	---	---	---	---	229.542E	229.539E	229.588E	229.679	229.705	229.629	---	---	21
22	---	---	---	---	229.543	229.534	229.589	229.655E	229.701E	229.629E	---	---	22
23	---	---	---	---	229.580E	229.539E	229.595E	229.630E	229.687	229.629	---	---	23
24	---	---	---	---	229.577E	229.540	229.592	229.605	229.700E	229.629E	---	---	24
25	---	---	---	---	229.594	229.517E	229.589E	229.599E	229.703	229.629E	---	---	25
26	---	---	---	---	229.604E	229.494	229.587E	229.592	229.704E	229.629	---	---	26
27	---	---	---	---	229.614	229.505E	229.584	229.575E	229.708E	229.639E	---	---	27
28	---	---	---	---	229.624E	229.517E	229.580E	229.586	229.707	229.649	---	---	28
29	---	---	---	---	229.634	229.528	229.576	229.582E	229.697E	229.647E	---	---	29
30	---	---	---	---	229.612E	229.531E	229.574	229.548E	229.687	229.645	---	---	30
31	---	---	---	---	229.580E		229.634	229.540		229.643E		---	31
MEAN	---	---	---	---	229.553	229.541	229.578	229.597	---	229.649	---	---	MEAN
MAX	---	---	---	---	229.634	229.588	229.634	229.717	---	229.680	---	---	MAX
MIN	---	---	---	---	229.514	229.494	229.534	229.540	---	229.629	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 20 57 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1953

DRAINAGE AREA
2 170 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE LEWKO'S DAM - STATION NO 05OGB03

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	230.885E	230.865	230.830	230.860E	230.850E	230.876E	230.860E	---	1
2	---	---	---	---	230.885E	230.863E	230.830E	230.860E	230.845	230.861E	230.860	---	2
3	---	---	---	---	230.885E	230.860	230.830	230.860	230.845E	230.864E	230.860E	---	3
4	---	---	---	---	230.885	230.860E	230.832E	230.855E	230.845	230.867E	230.860	---	4
5	---	---	---	---	230.863E	230.860	230.833E	230.850	230.845E	230.890	230.860E	---	5
6	---	---	---	---	230.860	230.862E	230.835	230.848E	230.845E	230.895E	230.860	---	6
7	---	---	---	---	230.860E	230.863E	230.843E	230.845	230.845	230.900	---	---	7
8	---	---	---	---	230.860	230.865	230.860	230.847E	230.853E	230.893E	---	---	8
9	---	---	---	---	230.857E	230.863E	230.855E	230.848E	230.860	230.885	---	---	9
10	---	---	---	---	230.863E	230.860	230.860	230.850	230.858E	230.884E	---	---	10
11	---	---	---	---	230.850	230.860E	230.860E	230.853E	230.855	230.862E	---	---	11
12	---	---	---	---	230.853E	230.860	230.860E	230.865	230.858E	230.861E	---	---	12
13	---	---	---	---	230.855	230.860E	230.860	230.858E	230.862E	230.879E	---	---	13
14	---	---	---	---	230.840E	230.860E	230.858E	230.860	230.865	230.878E	---	---	14
15	---	---	---	---	230.825	230.860	230.855	230.935E	230.863E	230.876E	---	---	15
16	---	---	---	---	230.827E	230.858E	230.855E	231.010E	230.860	230.875E	---	---	16
17	---	---	---	---	230.828E	230.855	230.855	231.085	230.863E	230.873E	---	---	17
18	---	---	---	---	230.830	230.863E	230.858E	231.093E	230.865	230.872E	---	---	18
19	---	---	---	---	230.830E	230.850	230.862E	231.100	230.874E	230.870	---	---	19
20	---	---	---	---	230.830	230.847E	230.865	231.080E	230.883E	230.865E	---	---	20
21	---	---	---	---	230.835E	230.843E	230.865E	231.080	230.882	230.860	---	---	21
22	---	---	---	---	230.840	230.840	230.865	---	230.878E	230.860E	---	---	22
23	---	---	---	---	230.847E	230.838E	230.863E	---	230.860	230.860	---	---	23
24	---	---	---	---	230.853E	230.835	230.860	---	230.860E	230.860E	---	---	24
25	---	---	---	---	230.860	230.835E	230.860E	---	230.860	230.860E	---	---	25
26	---	---	---	---	230.870E	230.835	230.860E	---	230.863E	230.860	---	---	26
27	---	---	---	---	230.880	230.833E	230.860	---	230.868E	230.863E	---	---	27
28	---	---	---	---	230.885E	230.832E	230.860E	---	230.869E	230.865	---	---	28
29	---	---	---	---	230.890	230.830	230.860	---	230.872E	230.863E	---	---	29
30	---	---	---	---	230.882E	230.830E	230.855	---	230.875E	230.860	---	---	30
31	---	---	---	---	230.873E		230.860	230.855		230.860E		---	31
MEAN	---	---	---	---	230.855	230.851	230.853	---	230.861	230.874	---	---	MEAN
MAX	---	---	---	---	230.890	230.865	230.865	---	230.892	230.900	---	---	MAX
MIN	---	---	---	---	230.825	230.830	230.830	---	230.845	230.860	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 05 N
LONG 97 23 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1955

DRAINAGE AREA
2 050 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE ST NORBERT DAM - STATION NO 05OGB04

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	228.448	228.168	228.148	228.198	228.097	228.078E	228.121E	---	---	1
2	---	---	---	228.453	228.248	228.138	228.185E	228.095E	228.048	228.110E	---	---	2
3	---	---	---	228.448	228.248	228.128	228.171E	228.093E	228.053E	228.099	---	---	3
4	---	---	---	227.088	228.133	228.128	228.158E	228.090E	228.057	---	---	---	4
5	---	---	---	227.882	228.148	228.138	228.145E	228.088	228.051E	---	---	---	5
6	---	---	---	227.982	228.148	228.138	228.131E	228.094	228.046E	---	---	---	6
7	---	---	---	227.682	228.128	228.138E	228.118	228.087	228.040	---	---	---	7
8	---	---	---	228.482	228.138	228.138	228.118	228.078	228.035E	---	---	---	8
9	---	---	---	228.682	228.118E	228.138	228.121E	228.068E	228.030	---	---	---	9
10	---	---	---	228.732	228.098	228.148	228.123	228.063	228.052E	---	---	---	10
11	---	---	---	228.482	228.088	228.128	228.123	228.068E	228.074E	---	---	---	11
12	---	---	---	228.182	228.088	228.131E	228.113E	228.083	228.096	---	---	---	12
13	---	---	---	227.897	228.058	228.133	228.103	228.098E	228.095	---	---	---	13
14	---	---	---	227.622	228.058	228.131E	228.089E	228.110E	228.095E	---	---	---	14
15	---	---	---	227.412	228.058	228.128	228.098E	228.123	228.098E	---	---	---	15
16	---	---	---	227.182	228.058E	228.118E	228.082E	228.133E	228.098E	---	---	---	16
17	---	---	---	227.145E	228.058	228.108	228.088	228.143	228.098E	---	---	---	17
18	---	---	---	227.108E	228.058	228.103E	228.078	228.185E	228.097E	---	---	---	18
19	---	---	---	227.072E	228.073E	228.088	228.111E	228.246E	228.097	---	---	---	19
20	---	---	---	227.035E	228.088	228.131E	228.143	228.298	228.111E	---	---	---	20
21	---	---	---	226.998	228.118E	228.185E	228.143	228.274E	228.124	---	---	---	21
22	---	---	---	226.548	228.143	228.198	228.140	228.249	228.120E	---	---	---	22
23	---	---	---	226.288	228.118	228.198	228.129E	228.231E	228.115	---	---	---	23
24	---	---	---	226.288	228.118E	228.088	228.118	228.213E	228.108E	---	---	---	24
25	---	---	---	228.198	228.118	228.088	228.118E	228.195	228.101	---	---	---	25
26	---	---	---	228.198E	228.131E	228.088	228.112E	228.181	228.110E	---	---	---	26
27	---	---	---	228.198	228.145E	228.075E	228.109	228.178	228.118E	---	---	---	27
28	---	---	---	228.193E	228.158	228.081E	228.101E	228.147	228.127E	---	---	---	28
29	---	---	---	228.188	228.158	228.088	228.093	228.138	228.135	---	---	---	29
30	---	---	---	228.183	228.158	228.143E	228.094	228.120E	228.132	---	---	---	30
31	---	---	---		228.153E		228.098E	228.103		---		---	31
MEAN	---	---	---	227.156	228.122	228.128	228.121	228.141	228.088	---	---	---	MEAN
MAX	---	---	---	228.732	228.248	228.198	228.198	228.298	228.135	---	---	---	MAX
MIN	---	---	---	228.183	228.058	228.068	228.078	228.063	228.030	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY 228.732 ON APR 10

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 17 N
LONG 97 14 36 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1961

DRAINAGE AREA
2 410 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT ELIE - STATION NO 05OGA07

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	239.130	239.196	239.158	239.228E	238.715	238.771	238.801E	---	1
2	---	---	---	---	239.124	239.192	239.168	239.235	238.698E	238.766E	238.801	---	2
3	---	---	---	240.137	239.114	239.180	239.154	239.190	238.681	238.762E	238.801E	---	3
4	---	---	---	240.157E	239.110	239.170	239.157E	239.172	238.738E	238.757	238.801E	---	4
5	---	---	---	240.177	239.116	239.168	239.159	239.170E	238.798E	238.777E	238.801E	---	5
6	---	---	---	240.207	239.098	239.173	239.159	239.188	238.853	238.796	238.801E	---	6
7	---	---	---	240.337	239.094	239.173	239.174	239.150	238.821E	238.786E	238.801E	---	7
8	---	---	---	240.497	239.088	239.184	239.169	239.146	238.789	238.797E	238.801E	---	8
9	---	---	---	240.482	239.086	239.176	239.171	239.163E	238.753	238.787	238.801	---	9
10	---	---	---	240.466	239.083	239.198	239.202E	239.180E	238.740E	238.797E	238.809E	---	10
11	---	---	---	240.418	239.070	239.218	239.233	239.167E	238.727	238.795	238.818E	---	11
12	---	---	---	240.418	239.068	239.210	239.224	239.174	238.828	238.790E	238.825	---	12
13	---	---	---	240.138	239.074	239.194E	239.224	239.186	238.810E	238.785E	238.908E	---	13
14	---	---	---	239.831	239.068E	239.178	239.221E	239.180	238.793	238.779E	238.950E	---	14
15	---	---	---	239.490	239.068	239.170	239.217	239.498	238.778E	238.773	239.071E	---	15
16	---	---	---	239.386	239.083E	239.168	239.216E	239.381E	238.783	238.786E	239.153	---	16
17	---	---	---	239.312	239.120	239.168	239.214	239.284	238.770E	238.780E	239.147E	---	17
18	---	---	---	239.283E	239.163	239.180	239.215E	239.161E	238.777E	238.763	239.141	---	18
19	---	---	---	239.273	239.150	239.180	239.215	239.059E	238.784E	238.743E	239.151E	---	19
20	---	---	---	239.282	239.182E	239.148	239.227	238.956	238.781	238.733	239.161	---	20
21	---	---	---	239.232	239.143	239.148	239.229E	238.955	238.776	---	239.167E	---	21
22	---	---	---	239.224	239.153	239.154	239.251	238.925	238.781E	---	239.173	---	22
23	---	---	---	239.206	239.170	239.183	239.249	238.885E	238.808E	---	---	---	23
24	---	---	---	239.173	239.183	239.180E	239.255	238.844	238.821	---	---	---	24
25	---	---	---	239.173	239.182	238.147	239.245E	238.814	238.805E	---	---	---	25
26	---	---	---	239.170	239.143	239.149	239.234	238.793E	238.788E	---	---	---	26
27	---	---	---	239.264	239.163	239.164	239.227	238.771E	238.772E	238.818	---	---	27
28	---	---	---	239.156	239.196	239.155	239.210	238.760E	238.755	238.809E	---	---	28
29	---	---	---	239.163	239.192E	239.154E	239.210	238.729	238.748	238.801	---	---	29
30	---	---	---	239.168	239.168	239.153	239.213E	238.724E	238.759E	238.801E	---	---	30
31	---	---	---		239.193		239.216	238.720E		238.801E		---	31
MEAN	---	---	---	---	239.126	239.169	239.207	239.054	238.774	---	---	---	MEAN
MAX	---	---	---	---	239.196	239.218	239.255	239.498	238.853	---	---	---	MAX
MIN	---	---	---	---	239.058	239.147	239.154	238.720	238.681	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY 240.497 ON APR 8

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 54 05 N
LONG 97 45 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA
192 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT LA SALLE - STATION NO 05OC808

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	228.018E	228.030	228.009	228.015	228.015E	228.042E	228.035E	---	1
2	---	---	---	---	228.018	228.033E	228.008E	228.018E	228.015	228.039E	228.032E	---	2
3	---	---	---	---	228.018E	228.036	228.003E	228.021	228.010E	228.036	228.028E	---	3
4	---	---	---	---	228.018	228.036E	228.000	228.018E	228.005E	228.036E	228.024	---	4
5	---	---	---	228.930	228.019E	228.038E	228.004E	228.015	228.000	228.038	228.026E	---	5
6	---	---	---	230.176	228.021	228.036	228.009	228.014E	227.988E	228.045E	228.028E	---	6
7	---	---	---	230.834	228.018E	228.039E	228.012E	228.014E	227.978	228.054	228.030	---	7
8	---	---	---	231.416	228.011E	228.021	228.015	228.013E	227.987E	228.049E	228.027E	---	8
9	---	---	---	231.708	228.006	228.021E	228.015E	228.012E	227.997	228.044E	228.024E	---	9
10	---	---	---	231.749	228.007E	228.021	228.015E	228.012	228.005E	228.038	228.021	---	10
11	---	---	---	231.438	228.009	228.027E	228.015	228.013E	228.013E	228.039E	228.025E	---	11
12	---	---	---	231.166	228.008E	228.033E	228.015E	228.015	228.021	228.039E	228.030	---	12
13	---	---	---	230.819	228.009	228.039E	228.015	228.028E	228.012E	228.039E	228.030E	---	13
14	---	---	---	230.546	228.008E	228.045E	228.015E	228.035E	228.003	228.039	228.030	---	14
15	---	---	---	230.243	228.007E	228.051	228.015	228.045	228.012E	228.032E	228.030E	---	15
16	---	---	---	229.752	228.006	228.053E	228.018E	228.030E	228.021	228.025E	228.030	---	16
17	---	---	---	228.926	228.010E	228.054	228.021E	228.014E	228.022E	228.018	228.029E	---	17
18	---	---	---	228.338	228.015	228.053E	228.024E	228.114E	228.023E	228.018E	228.028E	---	18
19	---	---	---	228.222	228.010E	228.052E	228.027E	228.213	228.024	228.018	228.027	---	19
20	---	---	---	228.176E	228.006	228.051	228.030	228.179E	228.029E	228.018E	228.029E	---	20
21	---	---	228.237	228.131	228.009E	228.033E	228.030E	228.146E	228.033	228.018	228.030	---	21
22	---	---	---	228.108E	228.012E	228.015	228.030	228.112	228.031E	228.019E	228.025E	---	22
23	---	---	228.085	228.082	228.015	228.012E	228.027E	228.091E	228.029E	228.020E	228.020E	---	23
24	---	---	---	228.075E	228.015E	228.009	228.024E	228.070	228.026E	228.021	228.015	---	24
25	---	---	---	228.068E	228.015	228.025E	228.021	228.059E	228.024	228.019E	---	---	25
26	---	---	---	228.061E	228.010E	228.042	228.016E	228.048	228.021E	228.018	---	---	26
27	---	---	---	228.054	228.006	228.003	228.012	228.040E	228.018E	228.024E	---	---	27
28	---	---	---	228.042E	228.009E	228.006E	228.013E	228.032E	228.015	228.030	---	---	28
29	---	---	---	228.030E	228.012E	228.009	228.015	228.024	228.030E	228.033E	---	---	29
30	---	---	---	228.018	228.015	228.009E	228.009	228.019E	228.045	228.036E	---	---	30
31	---	---	---		228.022E		228.012E	228.015		228.039	---	---	31
MEAN	---	---	---	---	228.012	228.031	228.016	228.048	228.015	228.032	---	---	MEAN
MAX	---	---	---	---	228.022	228.054	228.030	228.213	228.045	228.054	---	---	MAX
MIN	---	---	---	---	228.008	228.003	228.000	228.012	227.978	228.018	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 231.749 ON APR 10

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 43 N
LONG 97 15 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1961

DRAINAGE AREA,
2 380 km²

LA SALLE RIVER NEAR ELIE - STATION NO 05OC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	08	0 8	0 278	0 381	0 190	0 326	0 036	0 304	---	---	1
2	---	---	08	0 8	0 212	0 363	0 204	0 299	0 010	0 326	---	---	2
3	---	---	08	0 4848	0 181	0 349	0 189	0 285	0 001	0 555	---	---	3
4	---	---	08	3 76 B	0 174	0 338	0 191	0 284	0 415	0 610	---	---	4
5	---	---	08	7 03 B	0 180	0 325	0 193	0 251	0 524	0 533	---	---	5
6	---	---	08	10 3 B	0 134	0 344	0 210	0 307	0 423	0 385	---	---	6
7	---	---	08	11 2 B	0 111	0 339	0 236	0 251	0 321	0 327	---	---	7
8	---	---	08	12 9 B	0 100	0 331	0 223	0 222	0 223	0 350	---	---	8
9	---	---	08	14 8 A	0 092	0 335	0 211	0 221	0 194	0 400	---	---	9
10	---	---	08	14 5	0 084	0 368	0 284	0 260	0 092	0 475	---	---	10
11	---	---	08	13 7	0 081	0 480	0 288	0 338	0 111	0 440	---	---	11
12	---	---	08	12 6	0 038	0 459	0 324	0 342	0 340	0 369	---	---	12
13	---	---	08	11 0	0 057	0 427	0 327	0 313	0 350	0 349	---	---	13
14	---	---	08	9 08	0 053	0 406	0 316	0 503	0 320	0 330	---	---	14
15	---	---	08	5 47	0 043	0 382	0 302	2 33	0 270	0 324	---	---	15
16	---	---	08	2 75	0 111	0 338	0 279	2 70	0 218	0 335	---	---	16
17	---	---	08	1 54	0 335	0 356	0 257	2 60	0 398	0 331	---	---	17
18	---	---	09	1 23	0 300	0 321	0 249	1 84	C 466	0 305	---	---	18
19	---	---	08	1 05	0 283	0 302	0 325	1 45	0 394	0 254	---	---	19
20	---	---	08	0 928	0 207	0 298	0 308	1 19	0 325	0 238	---	---	20
21	---	---	08	0 770	0 164	0 278	0 315	1 09	0 276	0 207	---	---	21
22	---	---	08	0 695	0 178	0 280	0 362	0 957	0 241	0 246	---	---	22
23	---	---	08	0 599	0 228	0 262	0 359	0 748	0 201	0 448	---	---	23
24	---	---	08	0 497	0 213	0 215	0 347	0 559	0 397	0 499	---	---	24
25	---	---	08	0 483	0 194	0 197	0 349	0 425	0 476	0 524	---	---	25
26	---	---	08	0 484	0 184	0 194	0 337	0 319	0 411	0 522	---	---	26
27	---	---	08	0 410	0 198	0 189	0 320	0 226	0 323	0 431	---	---	27
28	---	---	09	0 385	0 335	0 197	0 285	0 179	0 252	0 371	---	---	28
29	---	---	08	0 326	0 416	0 190	0 278	0 138	0 222	0 401	---	---	29
30	---	---	08	0 329	0 383	0 174	0 314	0 108	0 221	0 381	---	---	30
31	---	---	08		0 372		0 381	0 062		0 3884	---	---	31
TOTAL	---	---	0	138 994	5 884	8 390	8 714	21 189	8 409	11 975	---	---	TOTAL
MEAN	---	---	0	4 83	0 189	0 313	0 281	0 684	0 280	0 386	---	---	MEAN
MAX	---	---	0	14 5	0 416	0 480	0 382	2 70	0 524	0 610	---	---	MAX
MIN	---	---	0	0	0 038	0 174	0 189	0 062	0 001	0 207	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 836
MAXIMUM DAILY 14 5A ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14 8 AT 18 31 CST ON APR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 13 N
LONG 97 45 54 W
DRAINAGE AREA, 198 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	763
FEB	---	AUG	1 830
MAR	0	SEP	727
APR	12 000	OCT	1 030
MAY	808	NOV	---
JUN	811	DEC	---

TOTAL DISCHARGE 17 700 dam³

LA SALLE RIVER NEAR SANFORD - STATION NO 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0908	0.0708	0.0608	0.1148	0.500	0.270	0.142	0.158	0.349	0.512	0.247	0.2708	1
2	0.0908	0.0688	0.0608	0.1328	0.449	0.282	0.161	0.176	0.281	0.507	0.257	0.2808	2
3	0.0908	0.0658	0.0608	0.1508	0.388	0.252	0.167	0.210	0.223	0.502	0.267	0.2908	3
4	0.0908	0.0638	0.0608	5.77 B	0.381	0.270	0.162	0.172	0.187	0.594	0.268A	0.3008	4
5	0.0908	0.0608	0.0608	15.1 B	0.444	0.280	0.150	0.214	0.186	0.545	0.268E	0.3158	5
6	0.0908	0.0608	0.0608	39.8 B	0.444	0.350	0.177	0.232	0.174	0.456	0.268E	0.3358	6
7	0.0908	0.0608	0.0608	86.4 B	0.402	0.383	0.190	0.196	0.214	0.400	0.268E	0.3818	7
8	0.0908	0.0608	0.0608	94.8 B	0.334	0.341	0.182	0.191	0.228	0.366	0.268E	0.4038	8
9	0.0908	0.0608	0.0608	113	0.430	0.334	0.194	0.202	0.225	0.310	0.268E	0.4258	9
10	0.0908	0.0608	0.0608	111	0.333	0.365	0.231	0.213	0.222	0.284	0.268E	0.4408	10
11	0.0908	0.0608	0.0608	105	0.304	0.430	0.190	0.271	0.207	0.316	0.268E	0.4478	11
12	0.0908	0.0608	0.0608	96.2	0.219	0.421	0.165	0.320	0.193	0.340	0.268E	0.4508	12
13	0.0908	0.0608	0.0608	87.6	0.202	0.445	0.148	0.300	0.173	0.420	0.268E	0.4488	13
14	0.0908	0.0608	0.0608	78.7	0.239	0.420	0.134	0.372	0.174	0.397	0.268E	0.4458	14
15	0.0908	0.0608	0.0608	67.1	0.178	0.384	0.169	0.730	0.186	0.326	0.268E	0.4458	15
16	0.0908	0.0608	0.0608	47.4	0.222	0.409	0.195	1.24	0.217	0.328	0.268E	0.4408	16
17	0.0908	0.0608	0.0608	22.7	0.207	0.414	0.201	7.10	0.242	0.327	0.268E	0.4368	17
18	0.0908	0.0608	0.0608	10.7	0.217	0.387	0.198	8.30	0.256	0.358	0.268E	0.4348	18
19	0.0898	0.0608	0.0608	7.28	0.243	0.404	0.304	8.48	0.304	0.350	0.268E	0.4308	19
20	0.0898	0.0608	0.0608	5.56	0.280	0.398	0.262	6.16	0.372	0.363	0.268E	0.4268	20
21	0.0908	0.0608	0.0608	4.38	0.384	0.387	0.224	2.65	0.385	0.316	0.268E	0.4188	21
22	0.0908	0.0608	0.0608	3.74	0.241	0.352	0.234	1.58	0.377	0.324	0.268E	0.4108	22
23	0.0908	0.0608	0.0608	3.25	0.181	0.303	0.235	1.29	0.338	0.315	0.268E	0.4028	23
24	0.0898	0.0608	0.0608	2.77	0.138	0.233	0.228	1.13	0.287	0.311	0.268E	0.3908	24
25	0.0888	0.0608	0.0608	2.33	0.131	0.181	0.200	0.993	0.279	0.288	0.268E	0.3808	25
26	0.0888	0.0608	0.0608	1.73	0.183	0.167	0.185	0.875	0.385	0.292	0.268E	0.3888	26
27	0.0838	0.0608	0.0608	1.25	0.183	0.183	0.133	0.784	0.456	0.253	0.268E	0.3508	27
28	0.0808	0.0608	0.0608	0.962	0.248	0.148	0.135	0.640	0.534	0.260	0.268E	0.3288	28
29	0.0768		0.0608	0.877	0.284	0.153	0.151	0.545	0.583	0.268	0.268E	0.3058	29
30	0.0758		0.0788	0.853	0.257	0.154	0.155	0.472	0.515	0.257	0.268E	0.2828	30
31	0.0738		0.0868		0.284		0.183	0.461		0.257		0.2828	31
TOTAL	2.721	1.708	1.914	998.208	8.824	9.486	5.747	42.429	8.728	11.143	7.943	11.755	TOTAL
MEAN	0.088	0.061	0.062	33.2	0.285	0.316	0.185	1.37	0.291	0.359	0.265	0.379	MEAN
MAX	0.090	0.070	0.096	113	0.500	0.445	0.304	8.30	0.583	0.594	0.268	0.450	MAX
MIN	0.073	0.060	0.060	0.114	0.131	0.148	0.133	0.158	0.173	0.253	0.247	0.270	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.04
MAXIMUM DAILY, 113 ON APR 9
MINIMUM DAILY, 0.0608 ON FEB 5
MAXIMUM INSTANTANEOUS,
114 AT 11 15 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 45 N
LONG 97 25 45 W
DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	235	JUL	497
FEB	147	AUG	3 670
MAR	165	SEP	754
APR	86 100	OCT	963
MAY	762	NOV	686
JUN	818	DEC	1 020

TOTAL DISCHARGE, 95 800 dam³

LAKE MANITOBA AT STEEP ROCK - STATION NO 05LK002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.484	247.456	247.474	247.497	247.551	247.585	247.482	247.500	247.423	247.386	247.468	247.454	1
2	247.489	247.453	247.476	247.496	247.553	247.610	247.425	247.518	247.481	247.420	247.464	247.452	2
3	247.488	247.452	247.478	247.499	247.572	247.645	247.454	247.488	247.488	247.441	247.466	247.451	3
4	247.484	247.458	247.478	247.501	247.582	247.689	247.481	247.484	247.500	247.438	247.458	247.453	4
5	247.482	247.458	247.483	247.506	247.594	247.697	247.494	247.497	247.485	247.393	247.460	247.455	5
6	247.458	247.461	247.483	247.509	247.574	247.603	247.471	247.501	247.497	247.370	247.446	247.454	6
7	247.458	247.457	247.478	247.516	247.587	247.688	247.482	247.500	247.493	247.383	247.439	247.468	7
8	247.480	247.458	247.476	247.518	247.583	247.677	247.485	247.503	247.476	247.394	247.429	247.483	8
9	247.457	247.458	247.478	247.523	247.536	247.498	247.478	247.471	247.485	247.370	247.433	247.466	9
10	247.457	247.458	247.481	247.526	247.511	247.516	247.470	247.484	247.430	247.435	247.460	247.480	10
11	247.461	247.453	247.478	247.523	247.515	247.528	247.423	247.498	247.411	247.423	247.456	247.484	11
12	247.464	247.449	247.476	247.533	247.556	247.514	247.394	247.505	247.431	247.434	247.455	247.434	12
13	247.457	247.451	247.472	247.541	247.567	247.505	247.422	247.510	247.451	247.448	247.450	247.432	13
14	247.458	247.449	247.468	247.546	247.567	247.497	247.447	247.483	247.467	247.438	247.455	247.449	14
15	247.454	247.449	247.467	247.554	247.546	247.495	247.484	247.507	247.461	247.425	247.467	247.455	15
16	247.456	247.451	247.471	247.559	247.513	247.501	247.481	247.503	247.468	247.435	247.467	247.455	16
17	247.456	247.453	247.471	247.559	247.477	247.521	247.451	247.497	247.466	247.456	247.453	247.462	17
18	247.453	247.453	247.478	247.549	247.493	247.515	247.387	247.486	247.454	247.456	247.460	247.461	18
19	247.451	247.453	247.481	247.552	247.534	247.506	247.413	247.483	247.428	247.433	247.430	247.464	19
20	247.456	247.455	247.482	247.538	247.518	247.507	247.478	247.491	247.412	247.387	247.436	247.466	20
21	247.456	247.453	247.480	247.541	247.412	247.513	247.467	247.483	247.441	247.401	247.438	247.463	21
22	247.456	247.452	247.478	247.547	247.446	247.522	247.453	247.467	247.470	247.417	247.438	247.462	22
23	247.456	247.452	247.482	247.542	247.478	247.532	247.461	247.453	247.436	247.437	247.435	247.463	23
24	247.457	247.453	247.484	247.546	247.499	247.531	247.472	247.451	247.439	247.470	247.441	247.456	24
25	247.469	247.453	247.483	247.548	247.513	247.490	247.478	247.443	247.466	247.498	247.450	247.464	25
26	247.482	247.451	247.484	247.550	247.518	247.433	247.478	247.484	247.467	247.489	247.452	247.469	26
27	247.458	247.464	247.490	247.553	247.496	247.428	247.487	247.478	247.484	247.461	247.451	247.465	27
28	247.458	247.470	247.492	247.557	247.523	247.421	247.493	247.502	247.441	247.454	247.452	247.465	28
29	247.453		247.492	247.535	247.563	247.398	247.482	247.508	247.437	247.461	247.452	247.481	29
30	247.454		247.495	247.536	247.531	247.422	247.481	247.483	247.441	247.447	247.452	247.465	30
31	247.457		247.498		247.540		247.494	247.456		247.457		247.459	31
MEAN	247.468	247.455	247.480	247.535	247.528	247.500	247.480	247.487	247.456	247.430	247.450	247.458	MEAN
MAX	247.489	247.470	247.498	247.587	247.594	247.610	247.494	247.518	247.500	247.498	247.468	247.469	MAX
MIN	247.451	247.449	247.467	247.495	247.412	247.398	247.387	247.443	247.411	247.354	247.429	247.432	MIN

WATER LEVELS IN METRES

MEAN 247.475
MAXIMUM DAILY, 247.610 ON JUN 2
MINIMUM DAILY, 247.354 ON OCT 8
MAXIMUM INSTANTANEOUS,
247.771 AT 14 33 CST ON JUN 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 26 N
LONG 99 48 13 W

REGULATED SINCE 1934

DRAINAGE AREA,
80 100 km²

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.459	247.449	247.469	247.482	247.554	247.535	247.520	247.484	247.389	247.250	247.512	247.442	1
2	247.465	247.448	247.469	247.483	247.553	247.459	247.393	247.486	247.539	247.455	247.400	247.440	2
3	247.463	247.452	247.473	247.485	247.581	247.430	247.478	247.380	247.493	247.476	247.455	247.429	3
4	247.464	247.454	247.480	247.487	247.567	247.494	247.504	247.483	247.438	247.376	247.354	247.440	4
5	247.462	247.455	247.489	247.488	247.529	247.531	247.454	247.545	247.483	247.145	247.441	247.438	5
6	247.459	247.453	247.483	247.483	247.547	247.534	247.451	247.394	247.455	247.403	247.453	247.440	6
7	247.459	247.451	247.475	247.501	247.537	247.394	247.419	247.482	247.429	247.455	247.379	247.442	7
8	247.459	247.445	247.470	247.512	247.548	247.495	247.450	247.459	247.432	247.449	247.399	247.442	8
9	247.456	247.454	247.474	247.525	247.517	247.524	247.481	247.438	247.435	247.338A	247.443	247.440	9
10	247.459	247.451	247.475	247.527	247.473	247.594	247.428	247.506	247.391	247.402E	247.509	247.452	10
11	247.459	247.452	247.473	247.530	247.516	247.488	247.358	247.463	247.389	247.488E	247.454	247.339	11
12	247.458	247.451	247.471	247.541	247.512	247.493	247.393	247.405	247.447	247.502A	247.436	247.379	12
13	247.459	247.443	247.471	247.548	247.501	247.507	247.447	247.484	247.482	247.412	247.441	247.434	13
14	247.451	247.444	247.486	247.552	247.529	247.480	247.468	247.481	247.483	247.400	247.511	247.447	14
15	247.451	247.448	247.488	247.587	247.518	247.501	247.480	247.463	247.452	247.436	247.438	247.450	15
16	247.454	247.447	247.487	247.582	247.486	247.538	247.423	247.395	247.455	247.441	247.407	247.453	16
17	247.454	247.446	247.470	247.582	247.484	247.470	247.413	247.486	247.413	247.452	247.407	247.453	17
18	247.453	247.445	247.482	247.552	247.541	247.478	247.411	247.440	247.418	247.386	247.434	247.454	18
19	247.453	247.446	247.482	247.586	247.548	247.508	247.443	247.484	247.442	247.400	247.328	247.456	19
20	247.480	247.448	247.483	247.446	247.389	247.495	247.474	247.491	247.427	247.374	247.417	247.454	20
21	247.454	247.442	247.483	247.603	247.308	247.507	247.474	247.405	247.472	247.491	247.478	247.453	21
22	247.458	247.441	247.483	247.569	247.486	247.500	247.485	247.388	247.479	247.429	247.423	247.450	22
23	247.459	247.444	247.488	247.563	247.521	247.451	247.485	247.466	247.431	247.423	247.424	247.453	23
24	247.459	247.441	247.486	247.574	247.518	247.482	247.481	247.462	247.446	247.488	247.443	247.456	24
25	247.458	247.442	247.482	247.558	247.533	247.348	247.482	247.456	247.469	247.512	247.441	247.458	25
26	247.458	247.452	247.486	247.533	247.507	247.425	247.480	247.471	247.472	247.386A	247.446	247.451	26
27	247.458	247.458	247.477	247.543	247.500	247.469	247.478	247.483	247.448	247.373	247.447	247.459	27
28	247.456	247.480	247.483	247.551	247.528	247.421	247.458	247.478	247.399	247.444	247.446	247.458	28
29	247.452		247.485	247.520	247.522	247.405	247.484	247.448	247.382	247.420	247.438	247.460	29
30	247.454		247.488	247.593	247.541	247.478	247.481	247.327	247.485	247.465	247.439	247.450	30
31	247.451		247.484		247.563		247.489	247.454		247.482		247.461	31
MEAN	247.457	247.449	247.478	247.533	247.520	247.481	247.485	247.488	247.444	247.417	247.435	247.443	MEAN
MAX	247.465	247.480	247.489	247.603	247.612	247.594	247.520	247.545	247.539	247.512	247.512	247.481	MAX
MIN	247.451	247.441	247.467	247.446	247.308	247.348	247.358	247.327	247.389	247.145	247.328	247.339	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 247.464
MAXIMUM DAILY 247.612 ON MAY 12
MINIMUM DAILY 247.145 ON OCT 5
MAXIMUM INSTANTANEOUS
247.710 AT 05 02 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 30 N
LONG 98 48 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

DRAINAGE AREA
80 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE MANITOBA NEAR TOUTES AIDES - STATION NO. 05LK004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.382	247.374	247.387	247.410	247.530	247.488	247.411	247.431	247.327	247.387	247.441	247.357	1
2	247.406	247.373	247.395	247.411	247.529	247.374	247.421	247.381	247.378	247.242	247.453	247.362	2
3	247.401	247.386	247.401	247.424	247.520	247.306	247.397	247.389	247.451	247.315	247.392	247.357	3
4	247.406	247.386	247.398	247.424	247.517	247.371	247.432	247.336	247.381	247.353	247.344	247.381	4
5	247.403	247.380	247.406	247.444	247.513	247.428	247.438	247.432	247.389	247.298	247.303	247.385	5
6	247.396	247.378	247.402	247.442	247.488	247.487	247.431	247.398	247.421	247.248	247.356	247.381	6
7	247.389	247.378	247.390	247.450	247.493	247.480	247.396	247.387	247.371	247.314	247.400	247.379	7
8	247.388	247.388	247.378	247.448	247.504	247.405	247.358	247.384	247.384	247.504	247.315	247.378	8
9	247.379	247.379	247.381	247.457	247.484	247.407	247.415	247.389	247.359	247.350	247.313	247.374	9
10	247.379	247.377	247.380	247.460	247.512	247.481	247.427	247.433	247.359	247.243	247.382	247.380	10
11	247.380	247.378	247.385	247.468	247.469	247.500	247.387	247.414	247.316	247.298	247.373	247.371	11
12	247.388	247.378	247.389	247.488	247.509	247.457	247.330	247.308	247.327	247.348	247.389	247.357	12
13	247.388	247.383	247.395	247.478	247.488	247.471	247.317	247.384	247.385	247.333	247.358	247.339	13
14	247.378	247.382	247.388	247.492	247.431	247.411	247.381	247.438	247.414	247.271	247.439	247.350	14
15	247.371	247.374	247.394	247.504	247.487	247.449	247.421	247.433	247.416	247.359	247.487	247.358	15
16	247.377	247.374	247.394	247.498	247.484	247.485	247.440	247.381	247.435	247.388	247.389	247.383	16
17	247.382	247.370	247.386	247.500	247.458	247.490	247.378	247.348	247.404	247.386	247.383	247.378	17
18	247.378	247.372	247.412	247.498	247.477	247.422	247.423	247.330	247.342	247.293	247.327	247.379	18
19	247.372	247.374	247.412	247.481	247.481	247.439	247.402	247.332	247.342	247.252	247.278	247.377	19
20	247.372	247.378	247.413	247.481	247.501	247.447	247.338	247.383	247.337	247.235	247.270	247.371	20
21	247.379	247.379	247.412	247.487	247.447	247.489	247.339	247.390	247.328	247.278	247.309	247.372	21
22	247.388	247.388	247.407	247.492	247.406	247.489	247.382	247.388	247.356	247.337	247.328	247.374	22
23	247.384	247.388	247.400	247.492	247.417	247.395	247.388	247.378	247.386	247.368	247.328	247.372	23
24	247.388	247.388	247.398	247.503	247.453	247.332	247.391	247.322	247.385	247.333	247.345	247.373	24
25	247.374	247.381	247.405	247.518	247.480	247.388	247.403	247.373	247.331	247.430	247.384	247.376	25
26	247.382	247.388	247.410	247.508	247.507	247.278	247.425	247.383	247.381	247.382	247.384	247.385	26
27	247.384	247.374	247.396	247.466	247.511	247.328	247.429	247.382	247.409	247.334	247.384	247.386	27
28	247.382	247.382	247.400	247.487	247.532	247.382	247.424	247.385	247.368	247.382	247.385	247.388	28
29	247.385		247.406	247.482	247.473	247.338	247.413	247.389	247.321	247.380	247.382	247.388	29
30	247.384		247.409	247.524	247.501	247.338	247.432	247.383	247.310	247.355	247.383	247.379	30
31	247.380		247.418		247.510		247.483	247.302		247.406		247.389	31
MEAN	247.383	247.372	247.399	247.471	247.487	247.410	247.396	247.389	247.388	247.334	247.380	247.370	MEAN
MAX	247.406	247.382	247.418	247.524	247.532	247.500	247.452	247.438	247.451	247.504	247.487	247.388	MAX
MIN	247.384	247.388	247.376	247.410	247.408	247.278	247.317	247.278	247.310	247.235	247.270	247.339	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 247.394
MAXIMUM DAILY 247.532 ON MAY 26
MINIMUM DAILY 247.235 ON OCT 20
MAXIMUM INSTANTANEOUS
247.653 AT 18 54 CST ON OCT 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 18 N
LONG 98 32 23 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR WESTBOURNE - STATION NO 05LL012

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.449	247.475	247.494	247.480A	247.510A	247.353	247.359	247.473	---	247.789	247.389	247.425	1
2	247.446	247.485	247.488	247.500E	---	247.365	247.518	247.450	---	247.525	247.455	247.429	2
3	247.450	247.475	247.505	247.569A	---	247.488	247.434	247.505	---	247.480	247.405	247.438A	3
4	247.451	247.471	247.492	247.547	247.490A	247.538	247.346	247.480	---	247.477	247.483	247.434E	4
5	247.453	247.466	247.487A	247.732	247.480A	247.479	247.380	247.384	---	247.938A	247.455	247.432E	5
6	247.454	247.463	247.488E	247.775	247.520A	247.483	247.421	247.419	---	---	247.448	247.415	6
7	247.446	247.470	247.454E	247.772	247.540A	247.585	247.371	247.425	---	---	247.505	247.409	7
8	247.446	247.473	247.441E	247.524	247.430A	247.520	247.419	247.420	---	---	247.480	247.409	8
9	247.454	247.471	247.428E	247.502	---	247.444	247.338	247.470	247.423A	---	247.469	247.406	9
10	247.449	247.472	247.418E	247.520	247.550A	247.381	247.484	247.385	247.494	---	247.352	247.404	10
11	247.450	247.471	247.408E	247.530	---	247.428	247.583	247.307	247.503	---	247.410	247.525	11
12	247.453	247.475	247.398E	247.523	247.450A	247.474	247.535	247.430	247.468	---	247.428	247.482	12
13	247.447	247.468	247.381A	247.527	247.560A	247.485	247.449	247.348	247.432	---	247.443	247.444	13
14	247.451	247.446	247.382	247.522A	247.524A	247.489	247.435	247.439	247.425	---	247.384	247.437	14
15	247.445	247.438	247.377	247.520A	247.469	247.419	247.410	247.451	247.459	---	247.401	247.431	15
16	247.445	247.442	247.368	247.520A	247.585	247.421	247.439	247.502	247.881A	---	247.437	247.427	16
17	247.445	247.447	247.372	---	247.805	247.430	247.489	247.485	---	---	247.448	247.426	17
18	247.457	247.447	247.382	---	247.495	247.456	247.540	247.497	---	---	247.358	247.425	18
19	247.456	247.433	247.387	---	247.439	247.444	247.509	247.489	247.877A	---	247.523	247.418	19
20	247.459	247.436	247.383	---	247.562	247.449	247.459	247.478	247.524	---	247.442	247.417	20
21	247.462	247.437	247.383	247.580A	247.705	247.424	247.475	247.437	247.450	---	247.387	247.422	21
22	247.463	247.436	247.393	247.510A	247.521	247.386	247.503	247.429	247.414	---	247.489	247.419	22
23	247.464	247.433	247.386	247.590A	247.445	247.428	247.518	247.387	247.522	---	247.448	247.426	23
24	247.466	247.442	247.398	247.550A	247.443	247.403	247.467	247.384	247.556	---	247.423	247.423	24
25	247.467	247.457	247.429	---	247.433	247.500	247.477	247.397	247.513	---	247.414	247.419	25
26	247.465	247.468	247.469	---	247.418	247.500	247.485	247.372	247.514	---	247.408	247.418	26
27	247.468	247.483	247.498A	247.550A	247.471	247.445	247.480	247.371	247.527	247.482A	247.412	247.419	27
28	247.471	247.487	247.533E	247.530A	247.418	247.480	247.463	247.331	247.568	247.442	247.418	247.423	28
29	247.473		247.503E	247.570A	247.483	247.501	247.473	247.406	247.578	247.429	247.424	247.424	29
30	247.472		247.452A	247.550A	247.486	247.428	247.450	247.501A	247.485	247.457	247.428	247.423	30
31	247.477		247.475		247.448		247.484	---		247.420		247.425	31
MEAN	247.457	247.458	247.434	---	---	247.451	247.459	---	---	---	247.431	247.428	MEAN
MAX	247.477	247.487	247.533	---	---	247.585	247.540	---	---	---	247.523	247.525	MAX
MIN	247.445	247.433	247.368	---	---	247.285	247.338	---	---	---	247.352	247.404	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY. 247.938A ON OCT 9
MINIMUM DAILY. 247.285 ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1935 ADJ.)

LAKE MINNEWASTA NEAR MORDEN - STATION NO 05OC027

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	328.332E	328.910	329.713	329.489	329.212	329.151	328.927	328.737	328.532	328.384	1
2	---	---	328.330A	329.062	329.708	329.489	329.207	329.145	328.923	328.724	328.526	328.380	2
3	---	---	328.327E	329.322	329.704	329.487	329.198	329.130	328.919	328.721	328.523	328.385	3
4	---	---	328.324E	329.680	329.705	329.481	329.189	329.118	328.909	328.715	328.517	328.382	4
5	---	---	328.321E	330.132	329.698	329.454	329.183	329.111	328.901	328.899	328.509	328.345	5
6	---	---	328.318E	330.013	329.688	329.447	329.180	329.101	328.898	328.888	328.504	328.344	6
7	---	---	328.315E	329.931	329.681	329.437	329.185	329.090	328.887	728.682	328.498	328.340	7
8	---	---	328.313E	329.911	329.674	329.423	329.174	329.081	328.877	328.672	328.492	328.342	8
9	---	---	328.311A	329.888	329.680	329.413	329.168	329.088	328.868	328.658	328.486	328.340	9
10	---	---	328.306	329.859	329.681	329.401	329.185	329.081	328.861	328.652	328.477	328.337	10
11	---	---	328.305	329.838	329.642	329.408	329.214	329.088	328.883	328.847	328.473	328.332	11
12	---	---	328.298	329.826	329.618	329.398	329.208	329.045	328.882	328.841	328.467	328.329	12
13	---	---	328.293	329.819	329.587	329.380	329.205	329.032	328.857	328.834	328.481	328.325	13
14	---	---	328.287	329.810	329.574	329.378	329.198	329.038	328.848	328.824	328.453	328.320	14
15	---	---	328.284	329.801	329.587	329.363	329.201	329.074	328.840	328.815	328.463	328.314	15
16	---	---	328.280	329.791	329.585	329.346	329.195	329.089	328.832	328.811	328.480	328.309	16
17	---	---	328.277	329.783	329.547	329.341	329.187	329.062	328.824	328.810	328.449	328.301	17
18	---	---	328.274	329.802	329.540	329.328	329.182	329.053	328.817	328.802	328.444	328.298	18
19	---	---	328.276	329.801	329.531	329.318	329.214	329.042	328.817	328.591	328.428	328.293	19
20	---	---	328.278	329.792	329.523	329.306	329.212	329.038	328.812	328.585	328.420	328.288	20
21	---	---	328.275	329.791	329.524	329.305	329.202	329.039	328.805	328.578	328.416	328.280	21
22	---	---	328.284	329.788	329.524	329.299	329.201	329.018	328.800	328.575	328.410	328.275	22
23	---	---	328.304	329.783	329.524	329.292	329.201	329.008	328.789	328.571	328.402	328.271	23
24	---	---	328.328	329.784	329.518	329.280	329.194	329.000	328.780	328.567	328.397	328.268	24
25	---	---	328.348	329.784	329.511	329.263	329.190	328.992	328.774	328.584	328.390	328.262	25
26	---	---	328.430	329.781	329.511	329.249	329.182	328.985	328.768	328.587	328.386	328.262	26
27	---	---	328.550	329.743	329.514	329.240	329.178	328.976	328.761	328.585	328.382	328.259	27
28	---	---	328.639	329.733	329.524	329.233	329.172	328.969	328.762	328.564	328.378	328.264	28
29	---	---	328.704	329.732	329.520	329.227	329.163	328.969	328.758	328.547	328.374	328.260	29
30	---	---	328.749	329.715	329.513	329.216	329.155	328.947	328.748	328.539	328.371	328.243	30
31	---	---	328.792		329.505		329.154	328.938		328.536		328.238	31
MEAN	---	---	328.389	329.768	329.589	329.386	329.190	329.045	328.838	328.821	328.449	328.305	MEAN
MAX	---	---	328.792	330.132	329.713	329.489	329.214	329.151	328.927	328.737	328.532	328.384	MAX
MIN	---	---	328.275	328.910	329.504	329.216	329.154	328.938	328.748	328.536	328.371	328.236	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY. 330.132 ON APR 5
MINIMUM DAILY. 328.236 ON DEC 31
MAXIMUM INSTANTANEOUS.
330.237 AT 03 44 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 55 N
LONG 98 08 04 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO 05MD009

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	425.007	---	424.987	425.131	427.855	427.784	427.623	427.581	427.240	426.940	426.621	426.317	1
2	425.981	---	424.957	425.138	427.701	427.784	427.620	427.565	427.201	426.902	426.632	426.306	2
3	425.962	---	424.945	425.155	427.714	427.790	427.591	427.562	427.212	426.891	426.610	426.298	3
4	425.941	---	424.936	425.200	427.728	427.788	427.584	427.533	427.210	426.914	426.620	426.285	4
5	425.918	---	424.930	425.317	427.782	427.780	427.580	427.536	427.192	426.912	426.590	426.276	5
6	425.895	---	424.926	425.500	427.788	427.779	427.583	427.548	427.188	426.874	426.578	426.255	6
7	425.875	---	424.927	425.712	---	427.784	427.592	427.519	427.174	426.860	426.579	426.223	7
8	425.856	---	424.923	425.931	---	427.769	427.572	427.525	427.155	426.863	426.581	426.204	8
9	425.835	---	424.917	426.124	---	427.763	427.572	427.512	427.139	426.856	426.561	426.193	9
10	425.813	---	424.918	426.299	---	427.761	427.584	427.488	427.133	426.824	426.523	426.181	10
11	425.786	---	424.921	426.428	---	427.769	427.581	427.504	427.121	426.820	426.529	426.172	11
12	425.778	---	424.921	426.539	---	427.785	427.587	427.475	427.104	426.806	426.521	426.158	12
13	425.783	---	424.924	426.645	---	427.771	427.579	427.458	427.086	426.823	426.515	426.146	13
14	425.735	---	424.927	426.747	---	427.763	427.582	427.452	427.078	426.782	426.507	426.134	14
15	425.711	---	424.927	426.855	---	427.732	427.576	427.447	427.067	426.775	426.511	426.124	15
16	425.689	---	424.928	426.959	---	427.730	427.586	427.440	427.072	426.772	426.493	426.106	16
17	425.669	425.111A	424.929	427.054	---	427.764	427.568	427.419	427.080	426.789	426.481	426.087	17
18	425.654	425.100	424.949	427.150	---	427.736	427.595	427.428	427.086	426.769	426.469	426.065	18
19	425.635	425.082	424.958	427.239	---	427.725	427.607	427.405	427.063	426.756	426.455	426.072	19
20	425.612	425.066	424.985	427.313	---	427.711	427.612	427.388	427.037	426.747	426.440	426.080	20
21	425.596	425.052	424.975	427.341	427.776A	427.702	427.600	427.394	427.025	426.726	426.428	426.045	21
22	425.578	425.036	424.985	427.431	427.765	427.708	427.612	427.373	427.015	426.738	426.423	426.033	22
23	425.557	425.021	424.998	427.469	427.769	427.699	427.615	427.350	427.006	426.738	426.411	426.022	23
24	425.538	425.009	425.013	427.502	427.795	427.688	427.608	427.339	426.993	426.687	426.398	426.009	24
25	425.521	425.000	425.030	427.550	427.762	427.684	427.608	427.325	426.975	426.700	426.388	425.994	25
26	425.501	424.990	425.048	427.598	427.769	427.662	427.599	427.320	426.958	426.711	426.375	425.982	26
27	425.485A	424.983	425.070	427.601	427.786	427.654	427.600	427.307	426.957	426.688	426.383	425.969	27
28	425.478E	424.974	425.086	427.637	427.776	427.640	427.586	427.286	426.955	426.674	426.353	425.957	28
29	425.458E		425.086	427.649	427.777	427.635	427.587	427.293	426.940	426.671	426.343	425.943	29
30	425.440E		425.109	427.663	427.774	427.606	427.581	427.278	426.913	426.648	426.332	425.931	30
31	425.428E		425.124		427.769		427.577	427.254		426.639		425.918	31
MEAN	425.700	---	424.975	426.663	---	427.730	427.583	427.430	427.078	426.784	426.487	426.113	MEAN
MAX	426.007	---	425.124	427.663	---	427.780	427.623	427.581	427.240	426.940	426.632	426.317	MAX
MIN	425.428	---	424.917	425.131	---	427.606	427.587	427.254	426.913	426.839	426.332	425.918	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 427.780 ON JUN 3
MINIMUM DAILY, 424.917 ON MAR 9
MAXIMUM INSTANTANEOUS,
427.802 AT 17 55 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 56 N
LONG 101 25 21 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA,
17 900 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST MARTIN NEAR MILDRE - STATION NO 05LM005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.399	243.480	243.549	243.572	243.749	243.688	243.522	243.150	242.854	242.876	242.808	242.912	1
2	243.393	243.467	243.547	243.566	243.745	243.691	243.589	243.114	242.781	242.728	242.873	242.916	2
3	243.400	243.472	243.553	243.584	243.701	243.720	243.524	243.130	242.805	242.695	242.844	242.915	3
4	243.395	243.481	243.554	243.571	243.715	243.729	243.471	243.089	242.823	242.754	242.900	242.915	4
5	243.397	243.485	243.574	243.572	243.729	243.716	243.488	243.062	242.822	242.853	242.885	242.911	5
6	243.401	243.471	243.571	243.581	243.742	243.733	243.480	243.098	242.787	242.786	242.858	242.919	6
7	243.398	243.476	243.566	243.589	243.742	243.787	243.459	243.076	242.811	242.727	242.906	242.921	7
8	243.398	243.488	243.563	243.607	243.715	243.745	243.444	243.088	242.802	242.814	242.885	242.922	8
9	243.403	243.478	243.549	243.616	243.757	243.715	243.403	243.085	242.799	242.827	242.874	242.923	9
10	243.408	243.478	243.585	243.622	243.769	243.684	243.422	243.045	242.807	242.780	242.845	242.928	10
11	243.411	243.481	243.586	243.628	243.739	243.718	243.443	243.051	242.803	242.756	242.886	242.937	11
12	243.417	243.488	243.585	243.637	243.685	243.727	243.405	243.028	242.793	242.771	242.873	242.938	12
13	243.423	243.490	243.557	243.641	243.731	243.728	243.378	242.996	242.784	242.786	242.877	242.938	13
14	243.421	243.491	243.586	243.642	243.737	243.720	243.362	243.002	242.785	242.792	242.884	242.938	14
15	243.417	243.493	243.580	243.646	243.707	243.696	243.335	243.005	242.787	242.791	242.880	242.942	15
16	243.426	243.503	243.561	243.658	243.742	243.662	243.382	243.020	242.781	242.784	242.883	242.944	16
17	243.426	243.503	243.567	243.659	243.750	243.679	243.352	242.984	242.811	242.809	242.889	242.947	17
18	243.418	243.507	243.575	243.677	243.715	243.675	243.352	242.985	242.821	242.840	242.895	242.950	18
19	243.421	243.508	243.580	243.690	243.714	243.661	243.354	242.984	242.814	242.844	242.888	242.952	19
20	243.416	243.509	243.586	243.692	243.756	243.662	243.311	242.950	242.810	242.881	242.881	242.956	20
21	243.419	243.523	243.583	243.684	243.810	243.640	243.304	242.958	242.781	242.843	242.887	242.957	21
22	243.425	243.521	243.586	243.686	243.727	243.636	243.295	242.947	242.778	242.828	242.894	242.961	22
23	243.418	243.528	243.589	243.701	243.702	243.632	243.291	242.926	242.809	242.849	242.901	242.962	23
24	243.422	243.522	243.587	243.705	243.678	243.585	243.272	242.914	242.784	242.816	242.902	242.965	24
25	243.420	243.528	243.595	243.719	243.684	243.625	243.256	242.912	242.788	242.792	242.901	242.967	25
26	243.437	243.532	243.579	243.729	243.702	243.613	243.248	242.905	242.781	242.873	242.903	242.966	26
27	243.438	243.532	243.576	243.723	243.711	243.586	243.221	242.898	242.799	242.902	242.905	242.971	27
28	243.436	243.543	243.576	243.729	243.732	243.580	243.205	242.885	242.789	242.881	242.906	242.974	28
29	243.447		243.570	243.757	243.730	243.580	243.194	242.871	242.781	242.868	242.911	242.977	29
30	243.456		243.576	243.729	243.734	243.546	243.171	242.886	242.703	242.850	242.913	242.979	30
31	243.463		243.574		243.711		243.158	242.852		242.843		242.981	31
MEAN	243.418	243.495	243.570	243.653	243.727	243.672	243.356	242.993	242.792	242.812	242.883	242.945	MEAN
MAX	243.463	243.543	243.595	243.757	243.810	243.787	243.569	243.150	242.858	242.902	242.913	242.981	MAX
MIN	243.393	243.480	243.547	243.584	243.678	243.546	243.156	242.852	242.703	242.695	242.809	242.912	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 243.275
MAXIMUM DAILY, 243.810 ON MAY 21
MINIMUM DAILY, 242.695 ON OCT 3
MAXIMUM INSTANTANEOUS
243.919 AT 17 09 CST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 38 W

REGULATED

DRAINAGE AREA
82 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT BERENS RIVER - STATION NO 05RD005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.412	217.384	217.403	217.420	217.552	217.649	217.616	217.720A	217.700A	217.605	217.172	217.116	1
2	217.398	217.385	217.407	217.416	217.557	217.780	217.748	217.770A	217.620A	217.417	217.316	217.122	2
3	217.379	217.382	217.383	217.414	217.548	217.683	217.690	217.730A	217.500A	217.477	217.258	217.134	3
4	217.400	217.375	217.398	217.416	217.568	217.632	217.738	217.720A	217.720A	217.471	217.423	217.114	4
5	217.410	217.381	217.401	217.414	217.598	217.639	217.778	217.770A	217.650A	217.480	217.361	217.085	5
6	217.411	217.385	217.408	217.421	217.580	217.638	217.718	217.770A	217.600A	217.402	217.289	217.115	6
7	217.389	217.394	217.411	217.423	217.584	217.627	217.818	217.760A	217.740A	217.397	217.280	217.040	7
8	217.388	217.373	217.396	217.432	217.592	217.655	217.740	217.780A	217.600A	217.337	217.288	217.109	8
9	217.388	217.385	217.392	217.452	217.598	217.669	217.738	217.820A	217.610A	217.482	217.211	217.136	9
10	217.380	217.380	217.386	217.470	217.587	217.658	217.756	217.630A	217.620A	217.478	217.208	217.043	10
11	217.383	217.389	217.397	217.482	217.585	217.684	217.727	217.800A	217.610A	217.414	217.226	217.181	11
12	217.372	217.383	217.387	217.489	217.586	217.675	217.708	217.860A	217.580A	217.344	217.250	217.193	12
13	217.374	217.388	217.390	217.478	217.629	217.692	217.716	217.830A	217.610A	217.603	217.211	217.125	13
14	217.373	217.377	217.391	217.472	217.578	217.695	217.718	217.670A	217.600A	217.480	217.102	217.101	14
15	217.382	217.372	217.378	217.488	217.583	217.706	217.883	217.680A	217.520A	217.336	217.249	217.097	15
16	217.374	217.378	217.384	217.488	217.594	217.682	217.736	217.850A	217.532	217.342	217.208	217.091	16
17	217.366	217.378	217.390	217.488	217.584	217.728	217.741	217.890A	217.565	217.379	217.211	217.084	17
18	217.374	217.384	217.407	217.507	217.572	217.706	217.883	217.780A	217.577	217.494	217.341	217.081	18
19	217.387	217.384	217.411	217.538	217.560	217.695	217.898	217.800A	217.526	217.398	217.370	217.088	19
20	217.387	217.384	217.417	217.534	217.638	217.694	217.760	217.790A	217.526	217.336	217.140	217.084	20
21	217.389	217.387	217.417	217.521	217.550	217.682	217.740	217.840A	217.524	217.303	217.148	217.080	21
22	217.384	217.382	217.417	217.555	217.560	217.724	217.737A	217.780A	217.546	217.301	217.204	217.082	22
23	217.381	217.385	217.418	217.538	217.575	217.738	217.710A	217.770A	217.523	217.283	217.137	217.075	23
24	217.377	217.386	217.420	217.543	217.584	217.773	217.720A	217.780A	217.520	217.291	217.081	217.070	24
25	217.387	217.400	217.417	217.546	217.568	217.806	217.720A	217.650A	217.530	217.322	217.096	217.062	25
26	217.376	217.410	217.408	217.588	217.578	217.898	217.730A	217.670A	217.480	217.425	217.184	217.072	26
27	217.382	217.397	217.431	217.541	217.578	217.723	217.880A	217.690A	217.467	217.326	217.089	217.058	27
28	217.376	217.383	217.420	217.584	217.607	217.718	217.720A	217.690A	217.485	217.270	217.119	217.084	28
29	217.386		217.410	217.558	217.646	217.700	217.700A	217.600A	217.548	217.354	217.148	217.047	29
30	217.377		217.407	217.563	217.624	217.689	217.670A	217.780A	217.413	217.250	217.141	217.070	30
31	217.385		217.413		217.601		217.730A	217.600A		217.285		217.051	31
MEAN	217.383	217.386	217.404	217.491	217.584	217.693	217.721	217.780	217.568	217.388	217.213	217.093	MEAN
MAX	217.412	217.410	217.431	217.584	217.646	217.808	217.818	217.880	217.740	217.605	217.423	217.193	MAX
MIN	217.366	217.372	217.378	217.414	217.548	217.627	217.615	217.600	217.413	217.250	217.081	217.040	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 217.474
MAXIMUM DAILY, 217.880A ON AUG 12
MINIMUM DAILY, 217.040 ON DEC 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 20 N
LONG 97 00 15 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

LAKE WINNIPEG AT GEORGE ISLAND - STATION NO. 05RE003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	217.403	---	---	---	217.704	217.733	217.469	217.289	217.133	1
2	---	---	---	217.414	---	---	---	217.705	217.669	217.446	217.290	217.127	2
3	---	---	---	217.418	---	---	217.688A	217.688	217.701	217.531	217.276	217.124	3
4	---	---	---	217.418	---	---	217.718	217.682	217.641	217.509	217.273	217.126	4
5	---	---	---	217.427	---	---	217.708	217.730	217.585	217.373	217.232	217.116	5
6	---	---	---	217.426	---	---	217.676	217.742	217.625	217.401	217.259	217.124	6
7	---	---	---	217.435	---	---	217.725	217.710	217.607	217.443	217.253	217.119	7
8	---	---	---	217.439	---	217.850A	217.687	217.750	217.587	217.405	217.226	217.116	8
9	---	---	---	217.480	---	217.680	217.761	217.719	217.581	217.406	217.226	217.114	9
10	---	---	---	217.485	---	217.688	217.689	217.713	217.571	217.449	217.282	217.088	10
11	---	---	---	---	---	217.721	217.670	217.783	217.581	217.425	217.264	217.114	11
12	---	---	---	---	---	217.717	217.672	217.766	217.572	217.402	217.234	217.103	12
13	---	---	---	---	---	217.723	217.691	217.773	217.574	217.532	217.200	217.108	13
14	---	---	---	---	---	217.700	217.700	217.770	217.582	217.388	217.200	217.104	14
15	---	---	---	---	---	217.728	217.708	217.744	217.551	217.375	217.268	217.096	15
16	---	---	---	---	---	217.714	217.741	217.722	217.565	217.381	217.185	217.091	16
17	---	---	---	---	---	217.744	217.693	217.722	217.565	217.393	217.181	217.091	17
18	---	---	217.412A	---	---	217.717	217.690	217.743	217.556	217.398	217.244	217.088	18
19	---	---	217.408	---	---	---	217.701	217.739	217.545	217.382	217.184	217.093	19
20	---	---	217.414	---	---	---	217.760	217.739	217.530	217.341	217.119	217.087	20
21	217.340A	---	217.410	---	---	---	217.748	217.757	217.551	217.332	217.218	217.077	21
22	217.335	---	217.406	---	---	---	217.700	217.680	217.565	217.330	217.169	217.079	22
23	217.338	---	217.408	---	---	---	217.701	217.684	217.518	217.345	217.121	217.083	23
24	217.332	---	217.404	---	---	---	217.707	217.693	217.520	217.374	217.142	217.087	24
25	217.341	---	217.402	---	---	---	217.725	217.683	217.538	217.476	217.171	217.082	25
26	217.352	---	217.401	---	---	---	217.688	217.670	217.527	217.400	217.187	217.087	26
27	217.338	---	217.405	---	---	---	217.703	217.675	217.534	217.310	217.151	217.057	27
28	217.345	---	217.398	---	---	---	217.701	217.676	217.507	217.307	217.178	217.082	28
29	217.357		217.398	---	---	---	217.687	217.713	217.548	217.344	217.147	217.053	29
30	217.358		217.398	---	---	---	217.690	217.743	217.522	217.272	217.136	217.056	30
31	---		217.404		---		217.692	217.743		217.298		217.042	31
MEAN	---	---	---	---	---	---	---	217.722	217.575	217.394	217.209	217.082	MEAN
MAX	---	---	---	---	---	---	---	217.783	217.733	217.532	217.292	217.133	MAX
MIN	---	---	---	---	---	---	---	217.670	217.507	217.272	217.119	217.042	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MINIMUM DAILY, 217.042 ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 00 N
LONG 97 37 20 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT GIMLI - STATION NO 05SB005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.373	217.387	217.406	217.444	217.624	217.448	217.475	217.705	217.730	217.688	217.121	217.154	1
2	217.332	217.407	217.418	217.381	217.591	217.534	217.730	217.683	217.545	217.727	217.226	217.145	2
3	217.384	217.382	217.397	217.378	217.529	217.941	217.748	217.847	217.199	217.161	217.284	217.169	3
4	217.359	217.380	217.413	217.407	217.535	217.741	217.528	217.721	217.581	217.448	217.481	217.128	4
5	217.387	217.372	217.379	217.372	217.488	217.585	217.643	217.560	217.683	218.024	217.847	217.111	5
6	217.404	217.357	217.435	217.419	217.638	217.852	217.794	217.688	217.482	217.759	217.345	217.114	6
7	217.382	217.411	217.429	217.400	217.622	217.723	217.878	217.718	217.881	217.428	217.278	217.051	7
8	217.371	217.388	217.446	217.439	217.526	217.763	217.832	217.655	217.573	217.491	217.485	217.078	8
9	217.412	217.381	217.393	217.446	217.746	217.810	217.581	217.687	217.643	217.758	217.340	217.177	9
10	217.352	217.385	217.383	217.487	217.641	217.545	217.771	217.711	217.704	217.513	216.893	217.061	10
11	217.358	217.387	217.410	217.500	217.742	217.585	217.913	217.544	217.783	217.380	217.123	217.194	11
12	217.371	217.411	217.401	217.460	217.359	217.742	217.871	217.681	217.845	217.378	217.258	217.291	12
13	217.351	217.418	217.407	217.476	217.492	217.805	217.751	217.551	217.592	217.279	217.384	217.156	13
14	217.389	217.383	217.422	217.466	217.679	217.788	217.690	217.728	217.497	217.705	217.115	217.102	14
15	217.362	217.387	217.388	217.468	217.481	217.598	217.633	217.722	217.659	217.383	216.979	217.122	15
16	217.351	217.385	217.389	217.505	217.678	217.849	217.628	217.773	217.532	217.394	217.371	217.100	16
17	217.361	217.381	217.402	217.507	217.728	217.566	217.854	217.781	217.809	217.276	217.382	217.078	17
18	217.378	217.389	217.421	217.544	217.562	217.731	217.846	217.758	217.685	217.553	217.183	217.103	18
19	217.402	217.373	217.424	217.565	217.553	217.854	217.728	217.742	217.631	217.516	217.846	217.082	19
20	217.343	217.384	217.410	217.736	217.592	217.872	217.848	217.707	217.708	217.551	217.981	217.073	20
21	217.378	217.411	217.435	217.574	218.042	217.618	217.751	217.677	217.583	217.344	216.875	217.080	21
22	217.385	217.395	217.424	217.409	217.655	217.589	217.708	217.881	217.468	217.313	217.247	217.058	22
23	217.372	217.417	217.407	217.606	217.501	217.743	217.832	217.607	217.726	217.288	217.467	217.115	23
24	217.373	217.418	217.423	217.538	217.502	217.831	217.724	217.695	217.673	217.267	217.192	217.084	24
25	217.353	217.442	217.433	217.578	217.547	217.872	217.701	217.727	217.539	216.779	217.088	217.071	25
26	217.340	217.424	217.393	217.588	217.573	217.986	217.730	217.683	217.498	217.288	217.095	217.045	26
27	217.378	217.430	217.435	217.706	217.629	217.709	217.685	217.658	217.531	217.623	217.155	217.072	27
28	217.355	217.432	217.402	217.484	217.583	217.827	217.895	217.528	217.884	217.293	217.074	217.051	28
29	217.371		217.414	217.788	217.594	217.935	217.740	217.562	217.895	217.172	217.191	217.080	29
30	217.391		217.388	217.548	217.654	217.736	217.711	218.105	217.890	217.463	217.190	217.080	30
31	217.370		217.422		217.543		217.726	217.817		217.170		217.085	31
MEAN	217.370	217.384	217.411	217.507	217.601	217.690	217.721	217.728	217.601	217.433	217.255	217.108	MEAN
MAX	217.412	217.442	217.446	217.788	218.042	217.988	217.913	218.105	217.783	218.024	217.847	217.291	MAX
MIN	217.332	217.357	217.379	217.372	217.359	217.448	217.475	217.528	217.199	216.779	216.979	217.045	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN, 217.485

MAXIMUM DAILY, 218.105 ON AUG 30

MINIMUM DAILY, 216.779 ON OCT 25

MAXIMUM INSTANTANEOUS,
218.302 AT 17 13 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 50 N
LONG 96 58 58 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .043 M ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO 05SD002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	217.397	217.415	217.589	217.609	217.585	217.713	217.679	217.716	---	---	1
2	---	---	217.402	217.401	217.583	217.751	217.770	217.731	217.485	217.480	---	---	2
3	---	---	217.402	217.386	217.538	217.806	217.695	217.780	217.474	217.376	---	---	3
4	---	---	217.380	217.408	217.579	217.683	217.689	217.898	217.677	217.525	---	---	4
5	---	---	217.403	217.400	217.567	217.640	217.775	217.635	217.617	217.676	---	---	5
6	---	---	217.390	217.416	217.614	217.680	217.733	217.782	217.583	217.501	---	---	6
7	---	---	217.415	217.408	217.622	217.854	217.780	217.712	217.641	217.407	---	---	7
8	---	---	217.411	217.429	217.588	217.892	217.746	217.780	217.594	217.387	---	---	8
9	---	---	217.400	217.446	217.579	217.868	217.682	217.788	217.624	217.593	---	---	9
10	---	---	217.376	217.473	217.631	217.814	217.779	217.811	217.651	217.479	---	---	10
11	---	---	217.387	217.486	217.613	217.880	217.784	217.743	217.638	217.434	---	---	11
12	---	---	217.389	217.481	217.534	217.706	217.774	217.782	217.589	217.331	---	---	12
13	---	---	217.390	217.471	217.626	217.685	217.734	217.691	217.583	217.497	---	---	13
14	---	---	217.390	217.486	217.625	217.727	217.720	217.651	217.589	217.577	---	---	14
15	---	---	217.378	217.481	217.545	217.682	217.651	217.704	217.575	217.348	---	---	15
16	---	---	217.380	217.498	217.630	217.640	217.717	217.780	217.532	217.357	---	---	16
17	---	---	217.387	217.504	217.633	217.687	217.795	217.700	217.613	217.332	---	---	17
18	---	---	217.401	217.522	217.569	217.713	217.885	217.781	217.617	217.580	---	---	18
19	---	---	217.407	217.553	217.586	217.677	217.728	217.713	217.585	217.458	---	---	19
20	---	---	217.411	217.812	217.678	217.695	217.712	217.709	217.601	217.416	---	---	20
21	---	---	217.415	217.531	217.692	217.652	217.736	217.798	217.535	217.306	---	---	21
22	---	---	217.410	217.533	217.583	217.692	217.722	217.881	217.642	217.308	---	---	22
23	---	---	217.410	217.586	217.574	217.780	217.784	217.735	217.616	217.290	---	---	23
24	---	---	217.408	217.567	217.571	217.727	217.704	217.719	217.575	217.250	---	---	24
25	---	---	217.414	217.581	217.582	217.880	217.739	217.858	217.932	217.137	---	---	25
26	---	---	217.384	217.585	217.583	217.773	217.708	217.845	217.491	217.421	---	---	26
27	---	---	217.417	217.606	217.606	217.732	217.894	217.885	217.510	217.457	---	---	27
28	---	---	217.400	217.571	217.612	217.788	217.725	217.809	217.541	217.286	---	---	28
29	---		217.402	217.641	217.641	217.794	217.727	217.711	217.836	217.326	---	---	29
30	---		217.391	217.589	217.648	217.699	217.705	217.952	217.403	217.303	---	---	30
31	---		217.416		217.588		217.715	217.830		217.241	---	---	31
MEAN	---	---	217.399	217.489	217.605	217.704	217.724	217.724	217.574	217.410	---	---	MEAN
MAX	---	---	217.417	217.641	217.692	217.880	217.795	217.952	217.679	217.718	---	---	MAX
MIN	---	---	217.376	217.386	217.534	217.609	217.585	217.609	217.403	217.137	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 217.952 ON AUG 30

MAXIMUM INSTANTANEOUS,
218.210 AT 06 48 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .043 M ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

LAKE WINNIPEG AT MISSION POINT - STATION NO 05SG001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.429	217.374	217.409	217.390	217.571	217.687	217.884	217.724	217.597	---	---	---	1
2	217.435	217.370	217.405	217.412	217.590	217.685	217.857	217.723	217.745	---	---	---	2
3	217.410	217.381	217.432	217.430	217.623	217.682	217.704	217.649	217.788	---	---	---	3
4	217.425	217.383	217.417	217.427	217.608	217.592	217.729	217.688	217.582	---	---	---	4
5	217.403	217.391	217.430	217.440	217.601	217.684	217.727	217.787	217.608	---	---	---	5
6	217.381	217.380	217.389	217.420	217.577	217.644	217.730	217.670	217.656	---	---	---	6
7	217.398	217.375	217.393	217.441	217.580	217.645	217.675	217.726	217.524	---	---	---	7
8	217.383	217.394	217.379	217.431	217.573	217.624	217.681	217.709	217.590	---	---	---	8
9	217.369	217.403	217.406	217.422	217.538	217.684	217.785	217.653	217.583	---	---	---	9
10	217.406	217.399	217.412	217.415	217.572	217.719	217.709	217.787	217.538	---	---	---	10
11	217.388	217.382	217.389	217.450	217.559	217.704	217.687	217.713	217.544	---	---	---	11
12	217.396	217.374	217.402	217.479	217.685	217.664	217.673	217.591	217.600	---	---	---	12
13	217.388	217.384	217.385	217.481	217.569	217.686	217.702	217.710	217.606	---	---	---	13
14	217.358	217.387	217.393	217.514	217.587	217.636	217.723	217.715	217.604	---	---	---	14
15	217.381	217.403	217.417	217.509	217.648	217.699	217.750	217.715	217.571	---	---	---	15
16	217.391	217.389	217.412	217.500	217.588	217.724	217.723	217.645	217.621A	---	---	---	16
17	217.373	217.391	217.404	217.511	217.585	217.702	217.671	217.685	---	---	---	---	17
18	217.368	217.398	217.421	217.503	217.610	217.676	217.688	217.623	---	---	---	---	18
19	217.356	217.402	217.418	217.490	217.606	217.714	217.713	217.665	---	---	---	---	19
20	217.389	217.410	217.423	217.458	217.602	217.706	217.703	217.671	---	---	---	---	20
21	217.357	217.387	217.410	217.548	217.651	217.734	217.695	217.598	---	217.380A	---	---	21
22	217.352A	217.392	217.406	217.554	217.598	217.727	217.719	217.514	---	---	---	---	22
23	217.388A	217.378	217.404	217.528	217.625	217.662	217.674	217.604	---	---	---	---	23
24	217.362E	217.370	217.399	217.546	217.620	217.683	217.738	217.652	---	---	---	---	24
25	217.394A	217.367	217.395	217.535	217.626	217.680	217.738	217.669	---	---	---	---	25
26	217.391	217.375	217.421	217.508	217.603	217.628	217.744	217.642	---	---	---	---	26
27	217.368	217.391	217.378	217.530	217.592	217.689	217.750	217.687	---	---	---	---	27
28	217.391	217.397	217.388	217.561	217.628	217.651	217.720	217.691	---	---	---	---	28
29	217.380		217.402	217.503	217.638	217.618	217.708	217.550	---	---	---	---	29
30	217.382		217.417	217.589	217.641	217.693	217.721	217.392	---	---	---	---	30
31	217.386		217.394		217.695		217.718	217.614		---		---	31
MEAN	217.387	217.387	217.406	217.484	217.598	217.680	217.718	217.658	---	---	---	---	MEAN
MAX	217.435	217.410	217.432	217.589	217.695	217.734	217.884	217.787	---	---	---	---	MAX
MIN	217.352	217.364	217.376	217.390	217.461	217.482	217.657	217.352	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.884 ON JUL 1

MAXIMUM INSTANTANEOUS,
218.013 AT 14 04 CST ON JUL 1

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 98 13 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1975

LAKE WINNIPEG AT MONTREAL POINT - STATION NO 05RF001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.427	217.384	217.388	217.388	---	217.686	217.673	---	---	---	---	---	1
2	217.437	217.382	217.384	217.378	---	217.686	217.615	---	---	---	---	---	2
3	217.406	217.372	217.378	217.383	---	217.648	217.653	---	---	---	---	---	3
4	217.432	217.388	217.382	217.381	217.588A	217.685	217.689	---	---	---	---	---	4
5	217.424	217.382	217.386	217.373	217.600	217.659	217.622	---	---	---	---	---	5
6	217.411	217.387	217.378	217.383	217.552	217.600	217.620	---	---	---	---	---	6
7	217.429	217.389	217.387	217.378	217.580	217.603	217.684	---	---	---	---	---	7
8	217.418	217.391	217.385	217.377	217.626	217.622	217.681	---	---	---	---	---	8
9	217.388	217.391	217.412	217.386	217.516	217.646	217.774	---	---	---	---	---	9
10	217.416	217.385	217.406	217.404	217.537	217.615	217.646	---	---	---	---	---	10
11	217.408	217.388	217.384	217.430	217.569	217.680	217.604	---	---	---	---	---	11
12	217.389	217.351	217.386	217.470	217.488	217.612	217.656	---	---	---	---	---	12
13	217.410	217.348	217.383	217.480	217.588	217.676	217.670	---	---	---	---	---	13
14	217.389	217.381	217.380	217.470	217.556	217.643	217.689	---	---	---	---	---	14
15	217.395	217.388	217.394	217.470	217.632	217.686	217.701	---	217.560A	---	---	---	15
16	217.400	217.388	217.382	217.474	217.544	217.687	217.679	---	217.544	---	---	---	16
17	217.393	217.373	217.379	217.488	217.531	217.688	217.601	---	217.472	---	---	---	17
18	217.377	217.371	217.381	217.485	217.604	217.672	217.626	---	217.484	---	---	---	18
19	217.368	217.384	217.403	217.477	217.578	217.692	217.623	---	217.515	---	---	---	19
20	217.385	217.378	217.404	217.468	217.487	217.684	217.710	---	217.480	---	---	---	20
21	217.368	217.374	217.389	217.488	217.432	217.658	217.688	---	217.534	---	---	---	21
22	217.368	217.378	217.380	---	217.576	217.681	217.681	---	217.504	---	---	---	22
23	217.371	217.384	217.374	---	217.611	217.684	217.625	---	217.393A	---	---	---	23
24	217.376	217.353	217.368	---	217.600	217.699	217.687	---	---	---	---	---	24
25	217.382	217.338	217.369	---	217.594	217.659	217.687	---	---	---	---	---	25
26	217.393	217.363	217.367	---	217.578	217.688	217.685	---	---	---	---	---	26
27	217.385	217.384	217.342	---	217.548	217.674	217.682	---	---	---	---	---	27
28	217.389	217.357	217.368	---	217.538	217.688	217.676	---	---	---	---	---	28
29	217.369		217.387	---	217.616	217.595	217.649	---	---	---	---	---	29
30	217.379		217.368	---	217.582	217.641	217.682	---	---	---	---	---	30
31	217.373		217.342		217.629		217.644A	---		---		---	31
MEAN	217.398	217.370	217.381	---	---	217.635	217.681	---	---	---	---	---	MEAN
MAX	217.437	217.391	217.412	---	---	217.699	217.774	---	---	---	---	---	MAX
MIN	217.368	217.338	217.342	---	---	217.448	217.601	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.774 ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)

LAKE WINNIPEG AT PINE DOCK - STATION NO. 05SD001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	217.548	217.722	217.589	217.589	217.126	217.133	1
2	---	---	---	---	---	217.740A	217.740	217.726	217.501	217.508	217.314	217.137	2
3	---	---	---	---	---	217.648	217.702	217.793	217.432	217.385	217.282	217.182	3
4	---	---	---	---	---	217.688	217.644	217.706	217.671	217.523	217.502	217.123	4
5	---	---	---	---	---	217.622	217.755	217.629	217.632	217.719	217.538	217.073	5
6	---	---	---	---	---	217.657	217.739	217.772	217.548	217.529	217.320	217.118	6
7	---	---	---	---	---	217.654	217.784	217.715	217.649	217.405	217.298	217.041	7
8	---	---	---	---	---	217.701	217.780	217.736	217.602	217.383	217.406	217.093	8
9	---	---	---	---	---	217.654	217.643	217.799	217.626	217.582	217.284	217.163	9
10	---	---	---	---	---	217.604	217.774	217.651	217.657	217.500	217.041	217.052	10
11	---	---	---	---	---	217.636	217.792	217.713	217.651	217.430	217.204	217.165	11
12	---	---	---	---	---	217.703	217.780	217.623	217.590	217.343	217.272	217.231	12
13	---	---	---	---	---	217.648	217.737	217.686	217.566	217.478	217.311	217.143	13
14	---	---	---	---	---	217.728	217.716	217.653	217.565	217.598	217.098	217.088	14
15	---	---	---	---	---	217.684	217.682	217.707	217.582	217.382	217.130	217.108	15
16	---	---	---	---	---	217.635	217.687	217.770	217.925	217.367	217.277	217.086	16
17	---	---	---	---	---	217.683	217.802	217.718	217.815	217.328	217.319	217.072A	17
18	---	---	217.385A	---	---	217.711	217.696	217.778	217.821	217.576	217.289	---	18
19	---	---	217.389	---	---	217.671	217.731	217.731	217.563	217.478	217.597	---	19
20	---	---	217.380	---	---	217.682	217.711	217.715	217.610	217.441	217.393	---	20
21	---	---	217.375	---	---	217.642	217.743	217.750	217.536	217.315	217.028	---	21
22	217.349A	---	217.355A	---	---	217.674	217.713	217.884	217.538	217.314	217.221	---	22
23	---	---	---	---	---	217.781	217.787	217.751	217.623	217.292	217.260	---	23
24	---	---	---	---	---	217.715	217.705	217.714	217.582	217.285	217.144	---	24
25	---	---	---	---	---	217.682	217.733	217.667	217.534	217.114	217.101	---	25
26	---	---	---	---	---	217.601	217.709	217.644	217.487	217.381	217.151	---	26
27	---	---	---	---	---	217.725	217.690	217.658	217.511	217.503	217.127	---	27
28	---	---	---	---	---	217.787	217.718	217.604	217.549	217.295	217.088	---	28
29	---	---	---	---	---	217.807	217.723	217.588	217.648	217.312	217.156	---	29
30	---	---	---	---	---	217.704	217.704	217.988	217.448	217.346	217.157	---	30
31	---	---	---	---	---		217.715	217.683		217.290		---	31
MEAN	---	---	---	---	---	---	217.720	217.729	217.578	217.419	217.250	---	MEAN
MAX	---	---	---	---	---	---	217.802	217.988	217.888	217.719	217.597	---	MAX
MIN	---	---	---	---	---	---	217.548	217.604	217.432	217.114	217.028	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 217.988 ON AUG 30

MAXIMUM INSTANTANEOUS,
217.182 AT 08:05 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 98 47 45 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988).
APPLY .024 M ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05SA003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.408	217.438	217.447	217.500	217.638	217.500	217.487	217.753	217.755	---	217.178	217.201	1
2	217.386	217.446	217.482	217.442	217.807	217.851	217.747	217.747	217.573	---	217.280	217.186	2
3	217.434	217.415	217.433	217.428	217.585	218.008	217.782	217.806	217.233	---	217.335	217.247	3
4	217.396	217.396	217.482	217.455	217.589	217.771	217.572	217.774	217.631	---	217.574	217.178	4
5	217.417	217.408	217.424	217.430	217.524	217.896	217.580	217.586	217.721	---	217.751	217.185	5
6	217.441	217.403	217.471	217.488	217.670	217.672	217.830	217.788	217.483	---	217.414	217.158	6
7	217.391	217.448	217.477	217.438	217.650	217.737	217.734	217.776	217.711	---	217.324	217.108	7
8	217.403	217.426	217.497	217.476	217.575	217.781	217.676	217.707	217.821	---	217.585	217.134	8
9	217.446	217.397	217.438	217.488	217.771	217.845	217.823	217.827	217.685	---	217.410	217.240	9
10	217.387	217.425	217.425	217.527	217.875	217.571	217.803	217.747	217.740	---	217.030	217.121	10
11	217.389	217.408	217.481	217.540	217.782	217.585	217.981	217.803	217.787	---	217.113	217.281	11
12	217.401	217.464	217.448	217.488	217.602	217.770	217.804	217.847	217.683	---	217.316	217.358	12
13	217.386	217.488	217.448	217.515	217.534	217.636	217.803	217.814	217.631	---	217.424	217.226	13
14	217.433	217.437	217.483	217.502	217.713	217.803	217.729	217.734	217.536	---	217.155	217.61	14
15	217.388	217.404	217.428	217.501	217.617	217.833	217.681	217.770	217.688	---	217.020	217.183	15
16	217.390	217.429	217.423	217.542	217.701	217.674	217.654	217.831	217.583	---	217.423	217.148	16
17	217.389	217.430	217.462	217.545	217.747	217.801	217.693	217.833	217.646	---	217.467	217.139	17
18	217.418	217.435	217.483	217.562	217.583	217.767	217.828	217.806	217.700	---	217.288	217.171	18
19	217.448	217.417	217.484	217.505	217.583	217.685	217.784	217.802	217.658	---	217.749	217.126	19
20	217.388	217.410	217.469	217.784	217.604	217.703	217.707	217.750	217.738	217.575A	217.686	217.142	20
21	217.427	217.454	217.482	217.822	218.008	217.847	217.795	217.751	217.800	217.388	217.985	217.145	21
22	217.436	217.437	217.471	217.448	217.683	217.826	217.739	218.082	217.522	217.386	217.448	217.117	22
23	217.418	217.461	217.449	217.661	217.520	217.801	217.873	217.875	217.734	217.323	217.524	217.179	23
24	217.414	217.459	217.472	217.585	217.520	217.689	217.788	217.785	217.726	217.089	217.189	217.124	24
25	217.381	217.478	217.484	217.609	217.582	217.846	217.743	217.771	217.808	217.874	217.139	217.130	25
26	217.378	217.464	217.441	217.828	217.577	218.036	217.773	217.701	217.560	217.384	217.177	217.102	26
27	217.418	217.460	217.483	217.742	217.635	217.753	217.730	217.700	217.560	217.317	217.214	217.122	27
28	217.392	217.473	217.455	217.612	217.603	217.865	217.737	217.578	217.726	217.251	217.124	217.106	28
29	217.410		217.486	217.783	217.614	217.887	217.783	217.617	217.769	217.242	217.242	217.117	29
30	217.430		217.435	217.577	217.673	217.771	217.751	218.181	---	217.523	217.246	217.133	30
31	217.403		217.489		217.587		217.746	217.668		217.225		217.160	31
MEAN	217.408	217.435	217.455	217.648	217.624	217.731	217.757	217.782	---	---	217.358	217.185	MEAN
MAX	217.448	217.478	217.497	217.793	218.008	218.036	217.851	218.181	---	---	217.985	217.358	MAX
MIN	217.388	217.396	217.423	217.430	217.402	217.500	217.487	217.578	---	---	217.020	217.102	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 218.181 ON AUG 30
MINIMUM DAILY, 217.020 ON NOV 10
MAXIMUM INSTANTANEOUS,
218.358 AT 15:15 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1966).
APPLY .043 M ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO 05LD002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.052	253.024	253.037	253.078	253.127	253.136	253.332	253.137	252.985	252.810	253.019	252.917	1
2	253.049	253.017	253.038	253.085	253.122	253.344	253.068	253.119	253.193	252.956	252.885	252.920	2
3	253.040	253.020	253.050	253.092	253.135	253.307	253.144	253.062	253.106	253.025	252.953	252.901	3
4	253.044	253.034	253.040	253.087	253.131	253.152	253.146	253.126	252.956	252.864	252.707	252.912	4
5	253.034	253.023	253.050	253.091	253.107	253.118	253.101	253.172	253.059	252.783	252.806	252.921	5
6	253.028	253.027	253.032	253.093	253.113	253.085	253.162	253.030	253.036	252.958	252.827	252.919	6
7	253.036	253.014	253.028	253.100	253.104	253.146	253.032	253.137	252.913	253.055	252.886	252.933	7
8	253.029	253.040	253.031	253.096	253.089	253.123	253.153	253.075	252.974	253.149	252.839	252.911	8
9	253.026	253.024	253.046	253.075	253.032	253.085	253.200	253.091	252.990	252.800	252.936	252.918	9
10	253.045	253.036	253.044	253.078	253.047	253.047	253.113	253.248	252.971	252.875	253.027	252.916	10
11	253.031	253.020	253.030	253.102	253.050	253.114	253.072	253.045	252.945	252.937	252.923	252.903	11
12	253.029	253.024	253.045	253.106	253.119	253.093	253.138	252.984	253.017	253.018	252.871	252.905	12
13	253.018	253.013	253.037	253.099	252.991	253.135	253.122	253.085	253.050	252.780	252.899	252.914	13
14	253.004	253.034	253.042	253.118	253.021	253.186	253.127	253.134	253.011	252.785	253.038	252.918	14
15	253.018	253.027	253.052	253.103	253.111	253.123	253.206	253.086	253.044	253.018	252.851	252.920	15
16	253.022	253.026	253.043	253.088	253.039	253.040	253.125	253.003	253.003	252.947	252.884	252.922	16
17	253.016	253.036	253.047	253.101	253.087	253.128	253.097	253.074	252.889	252.937	252.885	252.925	17
18	253.017	253.034	253.062	253.098	253.101	253.147	253.176	252.999	252.903	252.737	252.878	252.922	18
19	253.014	253.039	253.088	253.080	253.058	253.103	253.133	253.084	252.984	252.786	252.898	252.928	19
20	253.030	253.034	253.066	253.080	252.905	253.106	253.126	253.082	253.015	252.850	252.883	252.921	20
21	253.010	253.018	253.080	253.134	253.002	253.084	253.126	253.007	253.057	253.088	252.923	252.924	21
22	253.018	253.030	253.058	253.091	253.112	253.088	253.134	252.946	253.018	252.952	252.801	252.927	22
23	253.024	253.026	253.062	253.106	252.107	253.045	253.076	253.030	252.981	252.835	252.905	252.916	23
24	253.026	253.021	253.071	253.099	253.088	252.987	253.173	253.080	252.977	252.981	252.915	252.929	24
25	253.033	253.015	253.070	253.087	253.108	252.893	253.146	253.103	253.009	253.030	252.921	252.932	25
26	253.027	253.022	253.082	253.080	253.185	253.048	253.192	253.075	253.042	252.791	252.910	252.930	26
27	253.021	253.035	253.050	253.111	253.148	253.082	253.191	253.076	252.987	252.836	252.923	252.935	27
28	253.037	253.036	253.071	253.088	253.111	253.036	253.137	253.087	252.941	252.872	252.917	252.926	28
29	253.022		253.074	253.087	253.188	253.033	253.162	252.928	252.894	252.908	252.908	252.935	29
30	253.034		253.080	253.146	253.086	253.088	253.184	252.832	253.029	252.928	252.912	252.905	30
31	253.015		253.073		253.077		253.187	253.030		252.883		252.918	31
MEAN	253.027	253.027	253.053	253.097	253.086	253.103	253.144	253.052	253.000	252.916	252.896	252.920	MEAN
MAX	253.052	253.040	253.082	253.146	253.188	253.344	253.332	253.248	253.193	253.149	253.038	252.935	MAX
MIN	253.004	253.013	253.028	253.078	252.905	252.893	253.032	252.832	252.889	252.737	252.898	252.901	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 253.028
MAXIMUM DAILY, 253.344 ON JUN 2
MINIMUM DAILY, 252.898 ON NOV 18
MAXIMUM INSTANTANEOUS,
253.508 AT 01 50 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 30 N
LONG 100 58 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO 05LH001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.240	253.246	253.286	253.280	253.336	253.286	253.190	253.324	253.347	253.569	253.024	253.110	1
2	253.237	253.255	253.268	253.280	253.306	253.429	252.456	253.280	253.021	253.123	253.207	253.117	2
3	253.262	253.248	253.265	253.268	253.253	253.533	253.222	253.481	253.123	253.040	253.044	253.114	3
4	253.240	253.234	253.264	253.285	253.288	253.362	253.257	253.265	253.286	253.317	253.328	253.108	4
5	253.251	253.240	253.283	253.289	253.303	253.313	253.395	253.257	253.186	253.602	253.207	253.088	5
6	253.253	253.238	253.271	253.315	253.321	253.351	253.326	253.434	253.179	253.200	253.113	253.103	6
7	253.239	253.254	253.272	253.325	253.335	253.438	253.387	253.272	253.270	253.118	253.238	253.094	7
8	253.248	253.227	253.264	253.318	253.284	253.303	253.303	253.336	253.224	253.245	253.208	253.100	8
9	253.254	253.247	253.253	253.329	253.385	253.275	253.234	253.384	253.254	253.368	253.088	253.098	9
10	253.235	253.241	253.262	253.339	253.411	253.195	253.432	253.240	253.329	253.113	252.912	253.108	10
11	253.246	253.245	253.268	253.312	253.309	253.296	253.501	253.388	253.315	253.194	253.088	253.130	11
12	253.245	253.257	253.254	253.300	253.232	253.311	253.323	253.377	253.210	253.079	253.132	253.121	12
13	253.237	253.261	253.263	253.312	253.383	253.285	253.331	253.284	253.152A	253.244	253.136	253.116	13
14	253.253	253.247	253.262	253.291	253.365	253.342	253.335	253.264	253.220	253.287	253.036	253.118	14
15	253.239	253.257	253.251	253.312	253.236	253.317	253.238	253.328	253.196	253.117	253.183	253.115	15
16	253.234	253.256	253.258	253.313	253.377	253.214	253.386	253.471	253.234	253.154	253.148	253.112	16
17	253.247	253.257	253.261	253.321	253.305	253.285	253.422	253.264	253.500	253.121	253.186	253.114	17
18	253.253	253.256	253.274	253.331	253.221	253.338	253.401	253.374	253.421A	253.306	253.142	253.115	18
19	253.250	253.247	253.284	253.347	253.266	253.298	253.398	253.284	253.272	253.329	253.604	253.109	19
20	253.238	253.250	253.264	253.342	253.483	253.298	253.265	253.283	253.229	253.324	253.181	253.116	20
21	253.262	253.255	253.291	253.273	253.471	253.249	253.312	253.418	253.133	253.015	253.094	253.114	21
22	253.251	253.250	253.268	253.341	253.223	253.323	253.351	253.424	253.182A	253.079	253.133	253.116	22
23	253.249	253.259	253.264	253.320	253.225	253.334	253.383	253.280	253.280	253.205	253.116	253.123	23
24	253.245	253.262	253.260	253.332	253.264	253.290	253.301	253.309	253.247	252.958	253.111	253.112	24
25	253.238	253.271	253.277A	253.348	253.203	253.508	253.382	253.251	253.194	252.948	253.101	253.110	25
26	253.238	253.271	253.273	253.373	253.266	253.378	253.297	253.247	253.143	253.230	253.110	253.115	26
27	253.246	253.266	253.305	253.314	253.294	253.287	253.281	253.241	253.245A	253.288	253.088	253.110	27
28	253.243	253.268	253.282	253.362	253.383	253.301	253.365	253.175	253.242	253.116	253.104	253.122	28
29	253.250		253.283	253.350	253.352	253.383	252.330	253.384	253.311A	253.152	253.108	253.110	29
30	253.245		253.260	253.293	253.301	253.299	253.319	253.514	253.086	253.156	253.108	253.131	30
31	253.256		253.297		253.248		253.345	253.242		253.098		253.115	31
MEAN	253.246	253.254	253.272	253.317	253.307	253.328	253.337	253.324	253.233	253.197	253.137	253.113	MEAN
MAX	253.262	253.271	253.305	253.373	253.483	253.533	253.501	253.514	253.500	253.602	253.404	253.131	MAX
MIN	253.234	253.227	253.251	253.268	253.203	253.195	253.190	253.175	253.021	252.948	252.812	253.084	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 253.255
MAXIMUM DAILY, 253.602 ON OCT 5
MINIMUM DAILY, 252.812 ON NOV 10
MAXIMUM INSTANTANEOUS
254.128 AT 11 20 CST ON OCT 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 45 N
LONG 99 55 07 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LIMESTONE RIVER NEAR BIRD - STATION NO 05UG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 988	2 778	2 278	1 838	107	27 6	15 3	4 28	15 6	15 6	13 2 8	5 258	1
2	2 988	2 778	2 248	1 808	98 2	29 8	14 4	4 84	17 2	15 3	13 2 8	5 138	2
3	2 988	2 778	2 218	1 808	84 4	30 4	13 8	5 28	16 2	15 6	13 2 8	5 978	3
4	2 988	2 778	2 188	1 808	75 0	31 6	12 6	7 28	16 5	16 6	13 2 8	5 858	4
5	2 988	2 748	2 168	1 808	68 6	31 1	11 3	7 70	16 5	16 1	13 2 8	5 778	5
6	2 938	2 748	2 138	1 808	62 7	29 3	10 8	7 92	22 1	16 3	13 0 8	5 618	6
7	2 938	2 718	2 118	1 808	58 0	27 0	10 5	7 85	28 2	16 1	12 9 8	5 528	7
8	2 938	2 718	2 118	1 808	54 3	24 9	10 5	7 12	30 1	17 5	12 6 8	5 448	8
9	2 938	2 688	2 088	1 808	50 5	24 0	10 4	6 48	31 4	17 4	12 2 8	5 368	9
10	2 938	2 688	2 068	1 808	47 1	22 1	11 4	5 87	33 0	16 7	11 9 8	5 218	10
11	2 898	2 648	2 068	1 858	43 8	20 4	13 5	5 30	35 7	15 3	11 4 8	5 068	11
12	2 598	2 648	2 038	1 958	41 0	18 5	15 0	5 58	37 5	15 1	11 1 8	4 918	12
13	2 898	2 618	2 008	2 108	37 8	18 0	16 8	5 48	38 4	15 8	10 8 8	4 808	13
14	2 898	2 618	2 008	2 278	35 5	17 2	15 3	5 45	37 5	16 0	10 4 8	4 688	14
15	2 898	2 588	1 988	2 648	33 4	16 0	15 8	5 79	36 6	15 7	10 1 8	4 618	15
16	2 868	2 588	1 968	2 988	31 6	15 4	14 5	6 81	34 9	15 2	9 918	4 538	16
17	2 868	2 558	1 958	3 028	28 3	14 8	13 0	5 43	32 5	15 5	9 588	4 428	17
18	2 868	2 528	1 938	3 198	27 7	15 9	11 2	5 34	30 5	15 6	9 288	4 308	18
19	2 868	2 498	1 938	57 3 8	26 8	20 8	10 5	5 08	28 5	16 0	8 958	4 238	19
20	2 859	2 498	1 908	99 5 8	25 1	23 0	9 73	5 05	27 1	16 0	8 648	4 128	20
21	2 838	2 468	1 908	108 8	23 8	21 9	9 09	4 80	25 9	16 1	8 388	4 068	21
22	2 838	2 438	1 888	107 8	23 7	20 5	8 77	4 38	24 9	16 2	8 128	3 958	22
23	2 838	2 408	1 888	103 8	23 7	18 9	8 16	3 98	23 8	15 8	7 878	3 898	23
24	2 838	2 388	1 858	101 8	23 0	18 4	7 84	4 00	21 7	14 2	7 638	3 828	24
25	2 838	2 338	1 858	101 8	22 7	19 7	8 82	3 77	19 9	13 58	7 398	3 758	25
26	2 808	2 338	1 838	103 8	22 5	18 2	8 17	3 91	18 7	13 28	7 158	3 688	26
27	2 808	2 308	1 838	120	21 8	18 2	8 88	3 83	18 0	13 08	6 988	3 628	27
28	2 808	2 308	1 838	134	21 6	18 1	5 76	4 22	18 8	13 08	6 788	3 558	28
29	2 808		1 838	128	21 0	17 6	5 14	5 28	18 0	13 18	6 578	3 488	29
30	2 808		1 838	120	23 2	18 6	4 50	10 1	15 9	13 28	6 418	3 418	30
31	2 808		1 838		24 8		4 32	15 2		13 28		3 388	31
TOTAL	88 16	71 96	61 66	1 326 48	1 266 1	843 8	327 98	182 53	774 8	480 5	301 96	143 33	TOTAL
MEAN	2 84	2 57	1 98	44 2	41 5	21 5	10 6	5 89	25 8	15 5	10 1	4 62	MEAN
MAX	2 96	2 77	2 27	134	107	31 6	15 6	15 2	38 4	16 3	13 2	5 25	MAX
MIN	2 80	2 30	1 83	1 80	21 0	14 8	4 32	3 77	15 9	13 0	8 41	3 35	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15 8
MAXIMUM DAILY, 134 ON APR 28
MINIMUM DAILY, 1 808 ON APR 2
MAXIMUM INSTANTANEOUS,
142 AT 00:30 CST ON APR 28

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 31 10 N
LONG 94 12 20 W
DRAINAGE AREA, 3 290 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 700	JUL	28 300
FEB	6 220	AUG	15 800
MAR	5 330	SEP	85 800
APR	115 000	OCT	41 500
MAY	111 000	NOV	26 100
JUN	55 800	DEC	12 400

TOTAL DISCHARGE, 492 000 dam³

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO 05PB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 108	1 508	1 508	1 788	99 28	82 2	88 9	15 5	43 9	34 6	20 1 8	10 1 8	1
2	2 038	1 488	1 508	1 818	98 88	81 6	80 6	16 3	45 4	34 3	19 7 8	9 858	2
3	2 018	1 488	1 518	1 828	102	80 2	73 2	17 3	45 4	34 0	19 3 8	9 738	3
4	1 998	1 488	1 518	1 838	88 0	91 1	66 6	16 7	45 9	34 4	18 9 8	9 508	4
5	1 958	1 488	1 528	1 858	82 8	88 7	61 2	16 9	58 8	34 9	18 6	9 278	5
6	1 938	1 478	1 528	1 888	79 9	83 6	55 8	16 7	85 5	34 7	18 2 8	9 048	6
7	1 908	1 478	1 548	1 878	78 0	77 8	51 9	16 0	70 0	34 0	17 9 8	8 818	7
8	1 878	1 478	1 548	1 908	76 8	71 4	52 9	17 2	65 5	32 6	17 5 8	8 698	8
9	1 858	1 478	1 558	1 948	76 1	66 7	53 4	16 3	68 4	30 6	17 2 8	8 468	9
10	1 828	1 478	1 558	1 978	73 3	62 2	53 1	15 5	68 9	29 6	16 9 8	8 238	10
11	1 798	1 478	1 578	1 988	69 7	57 8	51 7	14 6	64 3	29 9	16 5 8	8 118	11
12	1 778	1 478	1 578	2 018	65 8	54 1	50 4	13 9	63 6	28 2	16 3 8	7 988	12
13	1 748	1 478	1 588	2 028	64 8	51 2	50 0	13 4	65 9	27 7	16 0 8	7 858	13
14	1 738	1 478	1 598	2 088	64 0	49 2	49 5	13 1	62 7	28 3	15 9 8	7 838	14
15	1 718	1 478	1 618	2 248	63 4	46 7	47 9	12 8	78 8	28 5	14 3 8	7 348	15
16	1 708	1 478	1 628	2 508	62 1	43 5	46 2	12 4	74 4	28 0	10 9 8	7 188	16
17	1 678	1 478	1 638	2 788	60 8	42 1	44 4	12 1	70 5	28 0	10 0 8	6 948	17
18	1 638	1 478	1 658	3 278	60 8	46 4	41 9	11 9	67 2	28 5	9 808	6 878	18
19	1 618	1 478	1 688	4 968	72 9	49 3	38 9	11 8	63 7	29 3	9 488	6 888	19
20	1 578	1 478	1 678	7 768	77 8	49 1	35 5	11 8	60 2	29 5	9 398	6 498	20
21	1 558	1 488	1 698	11 4 8	75 9	47 5	34 2	11 4	57 1	29 7	9 348	6 388	21
22	1 548	1 488	1 708	16 2 8	83 7	44 2	32 0	11 3	54 0	28 7	9 348	6 208	22
23	1 528	1 488	1 708	21 2 8	102	42 5	29 6	11 0	51 8	26 5	9 578	6 018	23
24	1 518	1 488	1 718	27 9 8	106	42 3	27 5	10 7	49 4	23 3	9 858	5 828	24
25	1 518	1 488	1 738	35 6 8	105	129	25 5	10 5	48 6	22 88	10 4 8	5 638	25
26	1 508	1 488	1 738	44 4 8	105	134	23 1	10 8	44 0	22 48	10 6 8	5 558	26
27	1 508	1 488	1 748	54 3 8	103	128	21 1	10 3	41 8	22 08	10 8 8	5 388	27
28	1 508	1 488	1 758	64 8 8	98 3	118	19 8	10 2	39 5	21 88	10 7 8	5 218	28
29	1 508		1 768	76 2 8	94 8	107	18 4	11 7	37 1	21 28	10 5 8	5 138	29
30	1 508		1 778	85 0 8	90 5	97 6	17 4	20 3	35 3	20 98	10 2 8	4 968	30
31	1 508		1 788		85 8		16 4	35 2		20 58		4 808	31
TOTAL	52 99	41 31	50 44	490 22	2 587 8	2 214 0	1 380 2	452 2	1 883 8	878 4	412 15	235 42	TOTAL
MEAN	1 71	1 48	1 63	16 3	83 8	73 8	43 9	14 6	62 8	28 3	13 7	7 27	MEAN
MAX	2 10	1 50	1 78	88 0	106	134	88 9	35 2	94 8	34 9	20 1	10 1	MAX
MIN	1 50	1 47	1 50	1 79	80 8	42 1	16 4	10 2	35 3	20 5	9 34	4 80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29 1
MAXIMUM DAILY, 134 ON JUN 26
MINIMUM DAILY, 1 478 ON FEB 5
MAXIMUM INSTANTANEOUS,
135 AT 09 40 CST ON JUN 26

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 39 50 W
DRAINAGE AREA, 4 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 580	JUL	116 000
FEB	3 570	AUG	39 100
MAR	4 380	SEP	163 000
APR	42 400	OCT	75 900
MAY	222 000	NOV	35 600
JUN	191 000	DEC	19 500

TOTAL DISCHARGE, 919 000 dam³

LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM - STATION NO 05MF801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	479.618E	479.586	---	479.582	---	---	1
2	---	---	---	---	---	---	479.641	479.579E	---	---	---	---	2
3	---	---	---	---	---	479.891	479.554E	479.591	---	---	---	---	3
4	---	---	479.817	---	---	479.688E	479.486E	479.581E	---	---	---	---	4
5	---	---	---	---	---	479.681	479.379E	479.571	---	---	---	---	5
6	---	---	---	---	---	479.581E	479.291	479.581E	---	---	---	---	6
7	---	---	---	---	---	479.641	479.241E	479.581E	---	---	---	---	7
8	479.812	---	---	---	---	479.648E	479.191	479.541	---	---	---	---	8
9	---	---	---	479.493	---	479.651E	479.101E	479.541E	---	---	---	---	9
10	---	---	---	---	---	479.658	479.191E	479.541E	479.532	---	---	---	10
11	---	---	---	---	---	479.641E	479.191	479.541	---	---	---	---	11
12	---	---	---	---	---	479.629E	479.188E	479.521E	---	---	---	---	12
13	---	---	---	---	479.628	479.611	479.141	479.501	---	---	---	---	13
14	---	---	---	---	479.651	479.604E	---	479.494E	---	---	---	---	14
15	---	---	---	---	---	479.598E	---	479.488E	---	---	---	---	15
16	---	---	---	---	---	479.591	---	479.481	---	---	---	---	16
17	---	---	---	---	---	479.581E	---	479.484E	---	---	---	479.584	17
18	---	---	479.822	---	---	479.581E	---	479.468E	---	---	---	---	18
19	---	---	---	---	---	479.581E	---	479.491	---	---	---	---	19
20	---	---	---	---	479.751	479.581E	---	479.458E	---	---	---	---	20
21	---	---	---	---	---	479.581	---	479.424E	---	---	---	---	21
22	---	---	---	---	---	479.594E	479.586	479.391	---	---	---	---	22
23	---	---	---	---	---	479.598E	479.585E	479.358E	---	---	---	---	23
24	---	---	---	---	---	479.601	479.594E	479.324E	---	---	---	---	24
25	---	---	---	---	---	479.606E	479.582E	479.291	---	---	479.584	---	25
26	---	---	---	---	---	479.611	479.581	---	---	---	---	---	26
27	---	---	---	---	---	479.606E	479.574E	---	---	479.607	---	---	27
28	479.787	---	---	---	---	479.601E	479.586E	---	---	---	---	---	28
29	---		---	---	---	479.598E	479.541	---	---	---	---	---	29
30	---		---	---	---	479.591	479.549E	---	---	---	---	---	30
31	---		---		---		479.558E	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 07 18 N
LONG 100 02 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1982

DRAINAGE AREA
3 250 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.218	1.33 B	1.198	1.868	16.8	4.10	1.58	0.954	0.211	0.338	0.970	0.6438	1
2	1.298	1.40 B	1.368	1.748	16.0	4.04	1.46	0.870	0.196	0.332	0.942	0.6278	2
3	1.278	1.40 B	1.308	1.898	14.8	3.81	1.43	0.806	0.187	0.383	0.918	0.6328	3
4	1.278	1.29 B	1.228	3.318	13.8	3.63	1.36	0.755	0.185	0.480	0.950	0.6458	4
5	1.288	1.20 B	1.228	9.428	12.8	3.44	1.33	0.702	0.147	0.533	0.8458	0.6438	5
6	1.248	1.18 B	1.278	15.3 B	11.8	3.37	1.36	0.676	0.117	0.537	0.8008	0.6448	6
7	1.258	1.19 B	1.288	24.1 B	11.2	3.16	1.31	0.664	0.110	0.523	0.8008	0.6338	7
8	1.238	1.17 B	1.278	31.0	10.5	2.89	1.19	0.663	0.108	0.522	0.8818	0.6268	8
9	1.218	1.15 B	1.198	29.6	9.81	2.71	1.10	0.669	0.146	0.523	0.7388	0.6348	9
10	1.238	1.14 B	1.238	27.8	9.26	2.52	1.09	0.682	0.085	0.520	0.6678	0.6388	10
11	1.238	1.14 B	1.208	26.0	8.75	2.48	1.05	0.652	0.107	0.851	0.6838	0.5798	11
12	1.238	1.10 B	1.158	31.5	8.25	2.31	1.04	0.590	0.125	0.708	0.6858	0.5828	12
13	1.228	1.08 B	1.348	30.9	7.78	2.13	0.961	0.541	0.112	0.740	0.6018	0.5858	13
14	1.218	0.9578	1.488	29.7	7.39	1.94	0.914	0.522	0.092	0.674	0.5228	0.5708	14
15	1.148	1.00 B	1.548	28.9	6.77	1.78	0.898	0.861	0.083	0.659	0.6538	0.5348	15
16	1.308	1.07 B	1.648	28.3	5.88	1.67	0.867	0.680	0.089	0.754	0.5978	0.5218	16
17	1.308	1.12 B	1.738	28.0	5.42	1.77	0.930	0.742	0.109	0.787	0.5248	0.5238	17
18	1.278	1.11 B	1.858	28.0	5.03	1.64	1.06	0.734	0.149	0.787	0.5198	0.4938	18
19	1.328	1.03 B	2.158	27.9	4.74	1.66	1.24	0.734	0.202	0.754	0.5928	0.4828	19
20	1.308	1.03 B	2.348	27.7	4.54	1.63	1.21	0.727	0.218	0.714	0.6598	0.4728	20
21	1.188	1.01 B	2.448	27.1	4.34	1.73	1.18	0.690	0.275	0.912	0.7558	0.4798	21
22	1.158	1.06 B	2.368	26.4	4.09	1.70	1.30	0.630	0.285	0.845	0.7138	0.4838	22
23	1.218	1.03 B	2.318	25.6	3.83	1.68	1.71	0.580	0.342	0.803	0.6848	0.4818	23
24	1.258	0.9918	2.508	24.6	3.63	1.89	1.75	0.521	0.376	0.747	0.6508	0.4378	24
25	1.308	0.9628	2.818	23.6	3.54	1.78	1.61	0.455	0.406	0.731	0.6898	0.4488	25
26	1.348	0.9448	2.948	22.8	3.59	1.71	1.51	0.396	0.427	0.783	0.6828	0.4128	26
27	1.388	1.14 B	2.618	21.3	3.55	1.68	1.38	0.376	0.438	0.835	0.6938	0.4028	27
28	1.388	1.15 B	2.638	19.9	3.56	1.60	1.20	0.321	0.431	0.850	0.6528	0.3748	28
29	1.348		2.158	18.7	3.53	1.52	1.07	0.292	0.382	0.856	0.6488	0.3508	29
30	1.278		1.678	17.7	3.48	1.45	1.02	0.277	0.347	0.882	0.6398	0.3178	30
31	1.298		1.678		3.89		1.02	0.229		0.959		0.3078	31
TOTAL	39.10	31.354	55.43	680.62	232.23	89.63	38.090	15.845	5.434	21.301	21.253	15.197	TOTAL
MEAN	1.26	1.12	1.79	22.0	7.49	2.32	1.23	0.808	0.214	0.684	0.712	0.522	MEAN
MAX	1.38	1.40	2.94	31.5	16.8	4.10	1.78	0.954	0.435	0.959	0.970	0.645	MAX
MIN	1.14	0.944	1.19	1.74	3.48	1.45	0.887	0.229	0.083	0.332	0.592	0.307	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.32
MAXIMUM DAILY 31.5 ON APR 12
MINIMUM DAILY 0.083 ON SEP 15
MAXIMUM INSTANTANEOUS
32.9 AT 15.22 CST ON APR 12

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 28 N
LONG 99 54 00 W
DRAINAGE AREA 2 630 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 380	JUL	3 290
FEB	2 710	AUG	1 830
MAR	4 790	SEP	555
APR	57 100	OCT	1 830
MAY	20 100	NOV	1 840
JUN	8 020	DEC	1 400

TOTAL DISCHARGE 105 000 dam³

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO 05MF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8858	0.9378	1.678	2.65	20.2	3.96	0.998	2.09	0.253	3.67	0.958	0.713	1
2	0.8678	0.9388	1.588	2.59	18.7	3.86	1.18	1.93	0.220	3.70	0.950	0.715	2
3	0.8868	0.9398	1.508	2.64	17.4	3.76	1.12	1.81	0.185	3.69	0.950	0.714	3
4	0.8918	0.9408	1.448	5.23	16.7	3.67	1.13	1.50	0.139	3.70	0.986	0.712	4
5	0.8949	0.9418	1.608	16.3	15.9	3.56	1.20	1.31	0.106	3.68	0.977	0.713	5
6	0.8978	0.9428	2.008	33.5	14.9	3.37	1.28	1.14	0.134	3.66	0.982	0.718	6
7	0.8998	0.9448	1.898	45.9	13.9	2.88	1.22	0.984	0.192	2.84	0.984	0.723	7
8	0.9018	0.9998	1.848	59.8	13.0	2.36	1.17	0.878	0.221	1.18	0.988	0.725	8
9	0.9038	1.45 B	1.818	57.2	12.4	2.29	1.12	0.895	0.252	1.14	0.991	0.724	9
10	0.9078	1.68 B	1.828	61.3	11.8	2.38	1.23	0.871	0.359	1.13	0.980	0.726	10
11	0.9128	1.65 B	1.848	53.1	10.6	2.44	1.22	0.788	0.507	1.13	0.982	0.736	11
12	0.9168	1.61 B	1.878	47.1	9.82	2.40	1.02	0.674	0.599	1.11	0.990	0.747	12
13	0.9218	1.56 B	1.908	41.8	9.40	2.36	0.915	0.538	0.685	1.10	0.995	0.748	13
14	0.9168	1.55 B	1.938	39.9	8.01	2.27	0.873	0.746	0.697	1.08	0.998	0.750	14
15	0.9158	1.48 B	1.968	41.1	7.83	2.05	0.910	0.835	0.784	1.03	1.02	0.746	15
16	0.9168	1.45 B	1.998	40.6	7.85	2.05	0.834	0.815	0.738	1.03	1.00	0.745	16
17	0.9208	1.42 B	2.038	38.6	7.30	2.14	0.784	0.872	1.01	1.01	0.977	0.753	17
18	0.9228	1.39 B	2.068	37.5	6.39	2.10	1.07	0.948	1.05	1.02	0.978	0.761	18
19	0.9248	1.38 B	2.098	34.5	5.92	2.01	1.02	0.947	0.958	1.03	0.976	0.768	19
20	0.9268	1.34 B	2.128	33.4	5.81	2.00	0.983	0.834	0.931	1.01	0.983	0.787	20
21	0.9288	1.36 B	2.188	31.7	5.46	1.88	1.03	0.542	0.843	1.02	0.953	0.789	21
22	0.9318	1.38 B	2.208	31.6	4.72	1.96	1.13	0.430	0.868	1.00	0.950	0.765	22
23	0.9338	1.43 B	2.228	30.5	4.47	2.05	1.08	0.368	1.08	0.984	0.943	0.759	23
24	0.9358	1.44 B	2.288	29.6	4.34	1.97	1.03	0.420	1.05	0.976	0.936	0.746	24
25	0.9378	1.46 B	2.318	27.6	4.24	1.81	1.10	0.456	0.908	0.987	0.938	0.746	25
26	0.9398	1.58 B	2.368	26.4	4.12	1.68	1.18	0.618	0.936	0.987	0.809	0.780	26
27	0.9418	1.58 B	2.428	24.8	4.17	1.53	1.11	0.398	0.858	0.984	0.728	0.780	27
28	0.9328	1.62 B	2.478	24.1	4.13	0.320	1.18	0.318	2.17	0.948	0.724	0.781	28
29	0.9348		2.508	22.7	4.29	0.555	1.19	0.377	3.70	0.948	0.722	0.7828	29
30	0.9358		2.528	21.4	4.26	0.884	1.27	0.438	3.85	0.952	0.720	0.7818	30
31	0.9368		2.808		3.98		1.92	0.283		0.981		0.7858	31
TOTAL	28.425	37.370	83.02	985.41	281.84	68.739	34.447	24.885	26.447	49.575	28.028	23.013	TOTAL
MEAN	0.917	1.33	2.03	32.2	9.09	2.29	1.11	0.799	0.882	1.60	0.934	0.742	MEAN
MAX	0.941	1.68	2.80	61.3	20.2	3.96	1.92	2.09	3.70	3.70	1.02	0.789	MAX
MIN	0.885	0.937	1.44	2.65	3.98	0.320	0.784	0.283	0.106	0.948	0.720	0.712	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 4.47
MAXIMUM DAILY 61.3 ON APR 10
MINIMUM DAILY 0.106 ON SEP 5
MAXIMUM INSTANTANEOUS
65.5 AT 14 05 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 26 N
LONG 100 12 56 W
DRAINAGE AREA 3 910 km²

B - ICE CONDITIONS

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 480	JUL	2 980
FEB	3 230	AUG	2 130
MAR	5 440	SEP	2 290
APR	83 400	OCT	4 280
MAY	24 300	NOV	2 420
JUN	5 840	DEC	1 990

TOTAL DISCHARGE 141 000 dam³

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO 05MH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.75 B	0.074	0.004	0	0	0	0	---	---	1
2	---	---	0 B	8.54 B	0.075	0.005	0	0	0	0	---	---	2
3	---	---	0 B	9.59 B	0.088	0.004	0	0	0	0	---	---	3
4	---	---	0 B	20.5 B	0.096	0.004	0	0	0	0	---	---	4
5	---	---	0 B	13.2	0.082	0.004	0	0	0	0	---	---	5
6	---	---	0 B	5.80	0.070	0.004	0	0	0	0	---	---	6
7	---	---	0 B	3.40	0.058	0.003	0	0	0	0	---	---	7
8	---	---	0 B	2.28	0.053	0.001	0	0	0	0	---	---	8
9	---	---	0 B	1.74	0.041	0	0	0	0	0	---	---	9
10	---	---	0 B	1.42	0.027	0	0	0	0	0	---	---	10
11	---	---	0 B	1.20	0.024	0	0	0	0	0	---	---	11
12	---	---	0 B	1.03	0.013	0	0	0	0	0	---	---	12
13	---	---	0 B	0.886	0.007	0	0	0	0	0	---	---	13
14	---	---	0 B	0.720	0.007	0	0	0	0	0	---	---	14
15	---	---	0 B	0.582	0.008	0	0	0	0	0	---	---	15
16	---	---	0 B	0.474	0.009	0	0	0	0	0	---	---	16
17	---	---	0 B	0.385	0.007	0	0	0	0	0	---	---	17
18	---	---	0 B	0.306	0.010	0	0	0	0	0	---	---	18
19	---	---	0.0048	0.261	0.007	0	0	0	0	0	---	---	19
20	---	---	0.0618	0.184	0.002	0	0	0	0	0	---	---	20
21	---	---	0.3598	0.147	0.003	0	0	0	0	0	---	---	21
22	---	---	1.83 B	0.128	0.002	0	0	0	0	0	---	---	22
23	---	---	2.73 B	0.134	0.003	0	0	0	0	0	---	---	23
24	---	---	4.18 B	0.118	0.003	0	0	0	0	0	---	---	24
25	---	---	5.09 B	0.107	0.002	0	0	0	0	0	---	---	25
26	---	---	4.03 B	0.110	0.002	0	0	0	0	0	---	---	26
27	---	---	3.83 B	0.107	0.002	0	0	0	0	0	---	---	27
28	---	---	3.36 B	0.098	0.002	0	0	0	0	0	---	---	28
29	---		3.82 B	0.077	0.003	0	0	0	0	0	---	---	29
30	---		2.40 B	0.077	0.003	0	0	0	0	0	---	---	30
31	---		2.21 B		0.003		0	0		0	---	---	31
TOTAL	---	---	33.884	79.306	0.792	0.028	0	0	0	0	---	---	TOTAL
MEAN	---	---	1.09	2.64	0.026	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	5.09	20.5	0.096	0.005	0	0	0	0	---	---	MAX
MIN	---	---	0	0.077	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.484
MAXIMUM DAILY 20.58 ON APR 4
MINIMUM DAILY 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS
25.89 AT 18 53 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 56 N
LONG 99 50 52 W
DRAINAGE AREA 484 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2 910	SEP	0
APR	6 850	OCT	0
MAY	68.6	NOV	---
JUN	2.51	DEC	---

TOTAL DISCHARGE 9 830 dam³

LITTLE WOODY RIVER NEAR BARROWS - STATION NO. 06LC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0658	0.101B	0.587	1.21	0.316	0.142	0.178	0.077	---	---	1
2	---	---	0.0658	0.100A	0.548	1.27	1.72	0.109	0.185	0.076	---	---	2
3	---	---	0.0658	0.182E	0.509	1.47	1.43	0.108	0.135	0.082	---	---	3
4	---	---	0.0658	0.378E	0.474	1.48	0.978	0.115	0.119	0.148	---	---	4
5	---	---	0.0948	0.524E	0.433	1.18	3.58	0.149	0.123	5.26	---	---	5
6	---	---	0.0728	0.446E	0.385	0.851	3.74	0.418	0.119	3.43	---	---	6
7	---	---	0.0728	1.63 E	0.370	0.732	3.88	0.415	0.114	2.10	---	---	7
8	---	---	0.0728	2.55 A	0.345	0.671	2.57	0.307	0.120	1.62	---	---	8
9	---	---	0.0728	2.32	0.318	0.552	1.65	0.228	0.143	1.30	---	---	9
10	---	---	0.0728	1.35	0.301	0.481	1.21	0.212	0.184	0.996	---	---	10
11	---	---	0.0728	1.48	0.282	0.428	1.25	0.291	0.210	0.831	---	---	11
12	---	---	0.0728	1.28	0.288	0.377	1.00	0.257	0.216	0.822	---	---	12
13	---	---	0.0728	1.14	0.298	0.318	0.830	0.204	0.191	1.05	---	---	13
14	---	---	0.0728	1.14	0.387	0.270	0.843	0.180	0.181	1.15	---	---	14
15	---	---	0.0648	1.48	0.333	0.238	0.507	0.257	0.145	0.984	---	---	15
16	---	---	0.0988	1.91	0.314	0.221	0.428	0.811	0.138	0.887	---	---	16
17	---	---	0.1208	1.88	0.314	0.647	0.884	0.533	0.370	0.787	---	---	17
18	---	---	0.1088	1.78	0.291	0.883	0.550	0.446	0.942	0.712	---	---	18
19	---	---	0.1018	1.55	0.271	0.448	0.488	0.359	0.744	0.657	---	---	19
20	---	---	0.0988	1.50	0.257	0.361	0.570	0.352	0.553	0.548	---	---	20
21	---	---	0.1068	1.41	0.231	0.282	0.583	0.511	0.421	0.587	---	---	21
22	---	---	0.1208	1.38	0.221	0.280	0.494	0.804	0.333	0.537	---	---	22
23	---	---	0.1158	1.22	0.213	0.242	0.544	0.650	0.258	0.512	---	---	23
24	---	---	0.1108	1.08	0.221	0.237	0.417	0.482	0.200	0.453	---	---	24
25	---	---	0.1068	0.890	0.210	0.247	0.470	0.359	0.166	0.485	---	---	25
26	---	---	0.1018	0.830	0.180	0.264	0.489	0.310	0.138	0.714	---	---	26
27	---	---	0.1068	0.839	0.187	0.241	0.387	0.260	0.118	0.747	---	---	27
28	---	---	0.1158	0.770	0.728	0.227	0.287	0.210	0.108	0.678	---	---	28
29	---		0.1018	0.880	2.71	0.234	0.217	0.182	0.092	0.820	---	---	29
30	---		0.1018	0.824	2.00	0.210	0.177	0.223	0.083	0.812	---	---	30
31	---		0.1018		1.24		0.152	0.202		0.578		---	31
TOTAL	---	---	2.789	34.724	15.472	16.273	32.327	9.876	6.984	30.099	---	---	TOTAL
MEAN	---	---	0.090	1.16	0.499	0.542	1.04	0.319	0.233	0.971	---	---	MEAN
MAX	---	---	0.120	2.55	2.71	1.48	3.88	0.804	0.942	5.26	---	---	MAX
MIN	---	---	0.065	0.100	0.180	0.210	0.152	0.108	0.083	0.082	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.606
MAXIMUM DAILY, 5.26 ON OCT 5
MINIMUM DAILY, 0.062 ON OCT 3
MAXIMUM INSTANTANEOUS,
7.59 AT 11:26 CST ON OCT 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 00 N
LONG 101 34 00 W
DRAINAGE AREA, 89.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 790
FEB	---	AUG	853
MAR	241	SEP	603
APR	3 000	OCT	2 600
MAY	1 340	NOV	---
JUN	1 410	DEC	---

TOTAL DISCHARGE, 12 800 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO 05RD010

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	28.907	28.811	---	---	---	29.336	29.036	29.004	28.653	28.474	28.365	1
2	---	28.908	28.808	---	---	---	29.327	29.026	28.995	28.652	28.467	28.352	2
3	---	28.906	28.809	---	---	---	29.314	29.018	28.987	28.641	28.463	28.346	3
4	---	28.904	28.808	---	---	---	29.301	29.006	28.980	28.625	28.455	28.346	4
5	---	28.902	28.806	---	---	---	29.293	28.998	28.972	28.618	28.452	28.345	5
6	---	28.899	28.803	---	---	---	29.285	29.006	28.959	28.612	28.452	28.345	6
7	---	28.895	28.797	---	---	---	29.274	29.006	28.945	28.601	28.452	28.344	7
8	---	28.892	28.787	---	---	---	29.266	28.998	28.935	28.589	28.452	28.343	8
9	---	28.888	28.787	---	---	---	29.254	28.987	28.924	28.577	28.450	28.343	9
10	---	28.883	28.782	---	---	29.558A	29.244	28.980	28.915	28.589	28.445	28.343	10
11	---	28.878	28.773	---	---	29.555	29.234	28.979	28.910	28.559	28.442	28.342	11
12	---	28.887	28.786	---	---	29.558	29.221	28.975	28.901	28.548	28.438	28.341	12
13	---	28.887	28.782	---	---	29.582	29.210	28.986	28.886	28.526	28.430	28.334	13
14	---	28.882	28.783	---	---	29.581	29.198	28.970	28.889	28.507	28.426	28.333	14
15	---	28.880	28.782	---	---	29.543	29.186	28.989	28.856	28.509	28.428	28.333	15
16	---	28.881	28.750	---	---	29.533	29.178	28.993	28.838	28.511	28.426	28.333	16
17	---	28.854	28.746	---	---	29.512	29.165	28.986	28.821	28.511	28.426	28.333	17
18	---	28.848	28.744A	---	---	29.505	29.155	28.992	28.809	28.512	28.426	28.333	18
19	---	28.843	---	---	---	29.491	29.153	28.001	28.786	28.512	28.414	28.334	19
20	---	28.837	---	---	---	29.478	29.151	29.007	28.787	28.512	28.408	28.334	20
21	28.988A	28.831	---	---	---	29.484	29.148	29.023	28.775	28.512	28.406	28.333	21
22	28.959	28.826	---	---	---	29.466	29.137	29.028	28.761	28.512	28.408	28.332	22
23	28.954	28.822	---	---	---	29.442	29.126	29.032	28.747	28.511	28.393	28.332	23
24	28.948	28.820	---	---	---	29.430	29.120	29.038	28.732	28.508	28.385	28.327	24
25	28.943	28.816	---	---	---	29.418	29.106	29.040	28.723	28.501	28.382	28.326	25
26	28.937	28.818	---	---	---	29.415	29.094	29.039	28.715	28.498	28.383	28.324	26
27	28.931	28.820	---	---	---	29.397	29.090	29.038	28.701	28.500	28.383	28.323	27
28	28.924	28.818	---	---	---	29.382	29.080	29.029	28.688	28.500	28.383	28.324	28
29	28.917		---	---	---	29.381	29.071	29.020	28.671	28.490	28.384	28.323	29
30	28.917		---	---	---	29.348	29.061	29.015	28.681	28.478	28.382	28.323	30
31	28.913		---				29.049	29.014		28.478		28.323	31
MEAN	---	28.882	---	---	---	---	29.188	29.008	28.842	28.543	28.424	28.336	MEAN
MAX	---	28.908	---	---	---	---	29.336	29.040	29.004	28.653	28.474	28.365	MAX
MIN	---	28.816	---	---	---	---	29.049	28.986	28.681	28.478	28.382	28.323	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MINIMUM DAILY, 28.323 ON DEC 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 98 05 20 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LONG RIVER NEAR HOLMFIELD - STATION NO 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	8.40 B	0.419	0.008	0	0	0.092	0.012	---	---	1
2	---	---	0 B	7.62 B	0.368	0.006	0	0	0.055	0.009	---	---	2
3	---	---	0 B	7.37 B	0.314	0.006	0	0	0.052	0.008	---	---	3
4	---	---	0.1938	7.49 B	0.289	0.005	0	0	0.120	0.007	---	---	4
5	---	---	1.13 B	7.87 B	0.287	0.004	0	0	0.092	0.007	---	---	5
6	---	---	1.01 B	8.01 B	0.273	0.003	0	0	0.057	0.012	---	---	6
7	---	---	0.8508	6.14	0.228	0.003	0	0	0.046	0.013	---	---	7
8	---	---	0.7858	5.62	0.204	0.002	0	0	0.025	0.016	---	---	8
9	---	---	0.7378	5.53	0.160	0.002	0	0	0.017	0.018	---	---	9
10	---	---	0.9348	4.95	0.124	0.002	0.002	0	0.016	0.023	---	---	10
11	---	---	1.13 B	4.58	0.114	0.002	0.001	0	0.019	0.032	---	---	11
12	---	---	0.9578	4.13	0.108	0.001	0	0	0.021	0.032	---	---	12
13	---	---	0.6188	3.62	0.089	0.001	0	0	0.017	0.029	---	---	13
14	---	---	0.5998	3.18	0.070	0	0	0.472	0.014	0.025	---	---	14
15	---	---	0.6318	2.72	0.080	0	0	10.1	0.013	0.023	---	---	15
16	---	---	0.6788	2.40	0.031	0	0	18.4	0.014	0.024	---	---	16
17	---	---	0.9488	2.12	0.032	0	0	11.5	0.018	0.027	---	---	17
18	---	---	1.17 B	1.91	0.025	0	0.001	6.04	0.018	0.025	---	---	18
19	---	---	1.28 B	1.68	0.022	0	0.002	3.87	0.024	0.039	---	---	19
20	---	---	1.08 B	1.48	0.023	0	0	2.98	0.024	0.033	---	---	20
21	---	---	1.13 B	1.38	0.034	0	0	1.23	0.028	0.030	---	---	21
22	---	---	1.92 B	1.20	0.043	0	0	0.888	0.029	0.032	---	---	22
23	---	---	5.63 B	1.01	0.033	0	0.001	0.600	0.025	0.033	---	---	23
24	---	---	8.17 B	0.846	0.024	0	0	0.351	0.015	0.044	---	---	24
25	---	---	7.86 B	0.783	0.017	0	0	0.218	0.014	0.054	---	---	25
26	---	---	7.17 B	0.674	0.015	0	0	0.134	0.013	0.081	---	---	26
27	---	---	5.45 B	0.637	0.025	0	0	0.081	0.013	0.044	---	---	27
28	---	---	5.81 B	0.587	0.032	0	0	0.072	0.014	0.048A	---	---	28
29	---		6.03 B	0.532	0.022	0	0	0.150	0.012	0.047E	---	---	29
30	---		5.51 B	0.488	0.016	0	0	0.215	0.011	0.048E	---	---	30
31	---		5.33 B		0.011		0	0.137		0.047E	---	---	31
TOTAL	---	---	75.496	102.907	3.482	0.045	0.008	54.314	0.929	0.891	---	---	TOTAL
MEAN	---	---	2.44	3.43	0.112	0.002	0	1.75	0.031	0.029	---	---	MEAN
MAX	---	---	8.17	8.01	0.419	0.008	0.002	18.4	0.120	0.081	---	---	MAX
MIN	---	---	0	0.488	0.011	0	0	0	0.011	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.972
MAXIMUM DAILY, 18.4 ON AUG 15
MINIMUM DAILY, .08 ON MAR 1
MAXIMUM INSTANTANEOUS,
20.4 AT 21:58 CST ON AUG 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 51 N
LONG 99 24 51 W
DRAINAGE AREA, 578 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.65
FEB	---	AUG	4 890
MAR	5 520	SEP	80.3
APR	8 890	OCT	77.0
MAY	301	NOV	---
JUN	3.89	DEC	---

TOTAL DISCHARGE, 20 800 dam³

LOON RIVER ABOVE BRITTON LAKE - STATION NO 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.598	0.522	0.510	0.498	9.00	2.36	2.33	1.47	0.288	---	---	---	1
2	0.588	0.518	0.502	0.500	8.49	2.84	2.25	1.35	0.279	---	---	---	2
3	0.601	0.519	0.507	0.801	8.01	3.50	2.20	1.29	0.269	---	---	---	3
4	0.612	0.514	0.511	0.498	7.58	3.76	2.15	1.25	0.288	---	---	---	4
5	0.610	0.512	0.507	0.497	7.25	3.88	2.11	1.20	0.273	---	---	---	5
6	0.602	0.524	0.503	0.501	6.83	3.88	2.04	1.10	0.268	---	---	---	6
7	0.606	0.523	0.497	0.521	6.34	3.76	1.97	1.04	0.252	---	---	---	7
8	0.601	0.520	0.491	0.544	5.93	3.59	1.97	1.00	0.241	---	---	---	8
9	0.601	0.523	0.488	0.563	5.55	3.40	1.94	0.969	0.232	---	---	---	9
10	0.596	0.523	0.489	0.803	5.31	3.19	1.87	0.937	0.211	---	---	---	10
11	0.592	0.516	0.484	0.808	5.03	3.09	1.83	0.933	0.193	---	---	---	11
12	0.592	0.520	0.482	0.814	4.78	3.03	1.77	0.932	0.174	---	---	---	12
13	0.598	0.524	0.480	0.824	4.60	2.85	1.71	0.928	0.161	---	---	---	13
14	0.589	0.521	0.477	0.830	4.38	2.83	1.82	0.898	0.149	---	---	---	14
15	0.584	0.520	0.482	0.851	4.22	2.53	1.68	0.881	0.139	---	---	---	15
16	0.575	0.523	0.486	0.892	4.05	2.45	2.27	0.858	0.133	---	---	---	16
17	0.572	0.524	0.491	0.780	3.88	2.45	2.35	0.811	0.120	---	---	---	17
18	0.580	0.525	0.490	0.942	3.70	2.34	2.28	0.755	0.110	---	---	---	18
19	0.555	0.528	0.490	1.21	3.49	2.28	2.16	0.725	0.100	---	---	---	19
20	0.557	0.531	0.488	1.70	3.31	2.19	2.01	0.700	0.090	---	---	---	20
21	0.568	0.527	0.515	2.80	3.26	2.14	1.86	0.856	0.070	---	---	---	21
22	0.542	0.525	0.521	3.85	3.12	2.13	1.75	0.824	0.040	---	---	---	22
23	0.532	0.517	0.521	5.55	3.01	2.24	1.81	0.596	0.080	---	---	---	23
24	0.526	0.513	0.518	6.86	2.85	2.31	1.54	0.585	---	---	---	---	24
25	0.517	0.516	0.511	7.28	2.69	2.42	1.43	0.521	---	---	---	---	25
26	0.518	0.508	0.510	7.96	2.59	2.48	1.35	0.486	---	---	---	---	26
27	0.522	0.503	0.505	8.75	2.51	2.52	1.31	0.451	---	---	---	---	27
28	0.518	0.505	0.503	9.50	2.38	2.49	1.28	0.417	---	---	---	---	28
29	0.523		0.501	8.79	2.32	2.48	1.23	0.370	---	---	---	---	29
30	0.527		0.505	9.49	2.28	2.43	1.43	0.361	---	---	---	---	30
31	0.526		0.504		2.22		1.50	0.313	---	---	---	---	31
TOTAL	17.810	14.545	15.477	85.188	140.98	83.72	58.81	25.386	---	---	---	---	TOTAL
MEAN	0.588	0.519	0.499	2.84	4.55	2.79	1.83	0.819	---	---	---	---	MEAN
MAX	0.612	0.531	0.521	9.79	9.00	3.88	2.35	1.47	---	---	---	---	MAX
MIN	0.517	0.503	0.477	0.497	2.22	2.13	1.23	0.313	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 9.79 ON APR 28

MAXIMUM INSTANTANEOUS,
9.82 AT 17:35 CST ON APR 28

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 03 16 N
LONG 101 51 30 W
DRAINAGE AREA, 1 400 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 520	JUL	4 910
FEB	1 280	AUG	2 190
MAR	1 340	SEP	---
APR	7 380	OCT	---
MAY	12 200	NOV	---
JUN	7 230	DEC	---

MAIN DRAIN NEAR DOMINION CITY - STATION NO. 05OD026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.03 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	2.93 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	3.62 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	4.71 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	5.86 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	9.00 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	11.1 B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	13.3 A	0	0	0	0	0	0	---	---	8
9	---	---	0 B	11.9	0	0	0	0	0	0	---	---	9
10	---	---	0 B	9.10	0	0	0	0	0	0	---	---	10
11	---	---	0 B	8.72	0	0	0	0	0	0	---	---	11
12	---	---	0 B	5.07	0	0	0	0	0	0	---	---	12
13	---	---	0 B	3.75	0	0	0	0	0	0	---	---	13
14	---	---	0 B	2.17	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.664A	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.532E	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.399E	0	0	0	0	0	0	---	---	17
18	---	---	0.025B	0.266E	0	0	0	0	0	0	---	---	18
19	---	---	0.050B	0.133E	0	0	0	0	0	0	---	---	19
20	---	---	0.100B	0.100E	0	0	0	0	0	0	---	---	20
21	---	---	0.280B	0.080E	0	0	0	0	0	0	---	---	21
22	---	---	0.480B	0.030E	0	0	0	0	0	0	---	---	22
23	---	---	0.640B	0.010E	0	0	0	0	0	0	---	---	23
24	---	---	0.820B	0.005E	0	0	0	0	0	0	---	---	24
25	---	---	1.00 B	0 E	0	0	0	0	0	0	---	---	25
26	---	---	1.20 B	0 E	0	0	0	0	0	0	---	---	26
27	---	---	1.40 B	0 E	0	0	0	0	0	0	---	---	27
28	---	---	1.53 B	0 E	0	0	0	0	0	0	---	---	28
29	---		1.65 B	0 E	0	0	0	0	0	0	---	---	29
30	---		1.78 B	0 E	0	0	0	0	0	0	---	---	30
31	---		1.90 B		0		0	0		0		---	31
TOTAL	---	---	12.835	94.669	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.414	3.16	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.90	13.3	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.438
MAXIMUM DAILY, 13.3A ON APR 8
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 110	SEP	0
APR	8 180	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 9 290 dam³

MAIN DRAIN NEAR RIDGEVILLE - STATION NO 05OD033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.15 B	0	0.001	0	0	0	0	---	---	1
2	---	---	0 B	2.70 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	3.25 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	3.79 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	2.94 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	1.83 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	1.33 B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	1.58	0	0	0	0	0	0	---	---	8
9	---	---	0 B	1.23	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.887	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.388	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.269	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.228	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.178	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.188	0	0	0	0	0	0	---	---	15
16	---	---	0.005B	0.126	0	0	0	0	0	0	---	---	16
17	---	---	0.025B	0.080	0	0	0	0	0	0	---	---	17
18	---	---	0.100B	0.065	0	0	0	0	0	0	---	---	18
19	---	---	0.230B	0.040	0	0	0	0	0	0	---	---	19
20	---	---	0.380B	0.019	0	0	0	0	0	0	---	---	20
21	---	---	0.480B	0.023	0	0	0	0	0	0	---	---	21
22	---	---	0.620B	0.013	0	0	0	0	0	0	---	---	22
23	---	---	0.780B	0.006	0	0	0	0	0	0	---	---	23
24	---	---	0.880B	0.005	0	0	0	0	0	0	---	---	24
25	---	---	1.00 B	0.003	0	0	0	0	0	0	---	---	25
26	---	---	1.15 B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	1.30 B	0	0.005	0	0	0	0	0	---	---	27
28	---	---	1.45 B	0	0.004	0	0	0	0	0	---	---	28
29	---		1.60 B	0	0.004	0	0	0	0	0	---	---	29
30	---		1.75 B	0	0.003	0	0	0	0	0	---	---	30
31	---		1.90 B		0.002		0	0		0		---	31
TOTAL	---	---	13.810	33.133	0.030	0.001	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.439	0.771	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.90	3.79	0.005	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.150
MAXIMUM DAILY, 3.78B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 40 N
LONG 97 04 10 W
DRAINAGE AREA, 46 5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 180	SEP	0
APR	2 000	OCT	0
MAY	1 73	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 3 180 dam³

MANICOTAGAN RIVER NEAR MANICOTAGAN - STATION NO 0SRA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 618	1 778	2 94	3 42	12 5	9 13	4 99	2 95	2 41	1 83	2 04	1 78	1
2	1 558	1 748	2 98	3 33	12 7	8 84	5 24	2 94	2 42	1 85	2 04	1 72	2
3	1 488	1 698	3 00	3 28	12 7	8 71	5 09	2 83	2 41	1 94	2 03	1 70	3
4	1 498	1 788	3 02	3 38	12 8	8 65	4 82	2 77	2 38	1 84	2 00	1 69	4
5	1 548	1 738	2 99	3 61	12 8	8 45	4 72	2 78	2 38	1 96	2 01	1 69	5
6	1 488	1 708	3 02	4 31	12 7	8 88	4 58	2 83	2 37	1 91	1 97	1 87	6
7	1 458	1 828	3 01	5 23	12 6	9 03	4 55	2 79	2 36	1 87	1 94	1 87	7
8	1 408	1 898	2 99	6 38	12 5	8 83	4 32	2 78	2 30	1 98	1 91	1 70	8
9	1 438	1 958	2 88	7 59	12 3	8 50	4 19	2 76	2 28	2 13	1 89	1 88	9
10	1 448	2 058	2 89	8 70	12 1	8 25	4 18	2 69	2 30	2 18	1 91	1 88	10
11	1 438	2 108	2 88	9 03	11 8	8 27	3 94	2 78	2 28	2 17	1 88	1 81	11
12	1 488	2 138	2 89	8 89	11 8	8 18	3 83	2 80	2 28	2 13	1 90	1 87	12
13	1 568	2 208	2 91	8 75	11 6	8 04	3 70	2 89	2 27	2 13	1 89	1 84	13
14	1 538	2 248	3 03	8 59	11 7	7 80	3 67	2 86	2 23	2 08	1 90	1 82	14
15	1 378	2 288	3 07	8 20	11 6	7 45	3 58	4 38	2 18	2 05	2 00	1 76	15
16	1 188	2 288	3 05	8 01	11 3	7 29	3 88	3 91	2 19	2 11	2 05	1 89	16
17	1 178	2 378	3 13	8 08	11 0	7 00	3 65	3 58	2 18	2 04	2 03	1 83	17
18	1 348	2 388	3 00	8 25	10 7	6 76	3 54	3 26	2 18	2 09	1 99	1 81	18
19	1 528	2 478	2 92	8 34	10 8	6 53	3 70	3 09	2 15	2 11	1 95	1 81	19
20	1 588	2 448	2 98	8 24	10 2	6 40	3 90	2 87	2 15	2 11	1 92	1 80	20
21	1 608	2 438	3 12	8 55	9 98	6 25	3 87	2 84	2 11	2 12	1 89	1 87	21
22	1 608	2 458	3 24	9 00	9 68	6 22	3 72	2 78	2 08	2 12	1 88	1 84	22
23	1 608	2 528	3 25	9 35	9 42	6 14	3 59	2 83	2 02	2 20	1 85	1 83	23
24	1 578	2 588	3 35	9 74	9 24	5 79	3 35	2 75	1 98	2 15	1 85	1 87	24
25	1 188	2 63	3 48	10 3	9 12	5 80	3 29	2 86	1 95	2 14	1 88	1 87	25
26	1 198	2 70	3 59	10 7	8 99	5 58	3 14	2 86	1 92	2 15	1 87	1 80	26
27	1 018	2 81	3 66	11 2	9 06	5 47	2 96	2 55	1 92	2 13	1 89	1 84	27
28	1 138	2 80	3 57	11 7	9 04	5 27	2 88	2 55	1 99	2 12	1 84	1 83	28
29	1 788		3 59	12 0	8 31	5 09	2 96	2 48	1 90	2 08	1 84	1 88	29
30	1 778		3 50	12 1	9 13	4 84	2 88	2 48	1 88	2 08	1 83	1 86	30
31	1 778		3 46		8 19		2 84	2 51		2 05		1 82	31
TOTAL	45 14	62 00	97 37	238 53	340 95	217 12	119 58	89 44	65 37	63 94	57 83	50 72	TOTAL
MEAN	1 46	2 21	3 14	7 95	11 0	7 24	3 86	2 89	2 18	2 06	1 93	1 64	MEAN
MAX	1 77	2 90	3 66	12 1	12 9	9 13	5 24	4 35	2 42	2 20	2 06	1 87	MAX
MIN	1 01	1 69	2 89	3 26	8 98	4 84	2 84	2 48	1 88	1 83	1 83	1 82	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3 97
MAXIMUM DAILY 12 9 ON MAY 6
MINIMUM DAILY 1 018 ON JAN 27
MAXIMUM INSTANTANEOUS
12 9 AT 15 27 CST ON MAY 6

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 68 17 00 W
DRAINAGE AREA 1 810 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 900	JUL	10 300
FEB	5 380	AUG	7 730
MAR	8 410	SEP	5 650
APR	20 600	OCT	5 520
MAY	29 500	NOV	5 000
JUN	18 800	DEC	4 380

TOTAL DISCHARGE 126 000 dam³

MANISTIKWAN LAKE NEAR FLIN FLON - STATION NO 05KC006

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	293.444E	293.523	293.489	293.385	293.343	293.335	293.324	---	---	1
2	---	---	---	293.445E	293.521	293.484	293.381	293.343	293.327	293.314	---	---	2
3	---	---	---	293.447E	293.518	293.480	293.376	293.340	293.328	293.314	---	---	3
4	---	---	---	293.448E	293.522	293.486	293.386	293.331	293.330	293.322	---	---	4
5	---	---	---	293.449	293.526	293.482	293.389	293.327	293.327	293.330	---	---	5
6	---	---	---	293.443	293.524	293.448	293.385	293.338	293.328	293.329	---	---	6
7	---	---	---	293.446	293.524	293.449	293.380	293.325	293.328	293.328	---	---	7
8	---	---	---	293.459	293.523	293.465	293.387	293.331	293.340	293.333	---	---	8
9	---	---	---	293.476	293.524	293.461	293.389	293.328	293.344	293.329	---	---	9
10	---	---	293.416A	293.479	293.521	293.434	293.391	293.330	293.348	293.323	---	---	10
11	---	---	---	293.483	293.518	293.439	293.388	293.380	293.348	293.322	---	---	11
12	---	---	---	293.488	293.515	293.438	293.382	293.348	293.345	293.320	---	---	12
13	---	---	---	293.492	293.516	293.433	293.380	293.350	293.344	293.319	---	---	13
14	---	---	---	293.497	293.516	293.425	293.378	293.349	293.347	293.319	---	---	14
15	---	---	---	293.498	293.514	293.418	293.371	293.348	293.345	293.318	---	---	15
16	---	---	---	293.500	293.513	293.408	293.372	293.347	293.344	293.316	---	---	16
17	---	---	---	293.502	293.508	293.411	293.372	293.348	293.344	293.316	---	---	17
18	---	---	---	293.515	293.501	293.410	293.368	293.350	293.344	293.314	---	---	18
19	---	---	---	293.521	293.496	293.403	293.366	293.345	293.344	293.314	---	---	19
20	---	---	---	293.523	293.494	293.398	293.372	293.344	293.341	293.314	---	---	20
21	---	---	---	293.526	293.482	293.392	293.371	293.342	293.338	293.310	---	---	21
22	---	---	---	293.527	293.471	293.398	293.389	293.340	293.339	293.312	---	---	22
23	---	---	---	293.529	293.466	293.403	293.387	293.337	293.336	293.316	---	---	23
24	---	---	---	293.529	293.460	293.400	293.381	293.338	293.333	293.310	---	---	24
25	---	---	---	293.529	293.462	293.400	293.389	293.338	293.331	293.308	---	---	25
26	---	---	---	293.530	293.448	293.388	293.388	293.338	293.330	293.310	---	---	26
27	---	---	---	293.531	293.444	293.385	293.380	293.334	293.328	293.309	---	---	27
28	---	---	---	293.529	293.448	293.385	293.390	293.336	293.326	293.306	---	---	28
29	---		---	293.526	293.460	293.393	293.348	293.347	293.324	293.308	---	---	29
30	---		---	293.525	293.454	293.389	293.348	293.342	293.314	293.307	---	---	30
31	---		---		293.447		293.348	293.340		293.306		---	31
MEAN	---	---	---	293.488	293.495	293.422	293.372	293.340	293.336	293.317	---	---	MEAN
MAX	---	---	---	293.531	293.525	293.484	293.391	293.350	293.347	293.333	---	---	MAX
MIN	---	---	---	293.443	293.444	293.389	293.348	293.326	293.314	293.306	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY 293.531 ON APR 27

MAXIMUM INSTANTANEOUS
293.533 AT 15 07 CST ON APR 27

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 48 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

MANNES DRAIN NEAR SANFORD - STATION NO 05OGO10

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0508	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0058	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0588	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.8588	0	0	0	0	0	0	---	---	4
5	---	---	0 B	3.31 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	8.44 B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	9.75	0	0	0	0	0	0	---	---	7
8	---	---	0 B	7.89	0	0	0	0	0	0	---	---	8
9	---	---	0 B	6.41	0	0	0	0	0	0	---	---	9
10	---	---	0 B	4.85	0	0	0	0	0	0	---	---	10
11	---	---	0 B	3.82	0	0	0	0	0	0	---	---	11
12	---	---	0 B	3.08	0	0	0	0	0	0	---	---	12
13	---	---	0 B	2.49	0	0	0	0	0	0	---	---	13
14	---	---	0 B	1.49	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.885	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.377	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.218	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.133	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.091	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.070	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.058	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.033	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.028	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.026	0	0	0	0	0	0	---	---	24
25	---	---	0.0438	0.022	0	0	0	0	0	0	---	---	25
26	---	---	0.0448	0.018	0	0	0	0	0	0	---	---	26
27	---	---	0.0288	0.014	0	0	0	0	0	0	---	---	27
28	---	---	0.1008	0.009	0	0	0	0	0	0	---	---	28
29	---		0.0708	0.004	0	0	0	0	0	0	---	---	29
30	---		0.0408	0.001	0	0	0	0	0	0	---	---	30
31	---		0.0038		0		0	0		0		---	31
TOTAL	---	---	0.326	92.786	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.011	1.76	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.100	9.75	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 217
MAXIMUM DAILY, 9.75 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.3 AT 04:29 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 14 N
LONG 97 22 32 W
DRAINAGE AREA, 64.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	28.2	SEP	0
APR	4 550	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 550 dam³

MANNING CANAL NEAR ILE DES CHENES - STATION NO 05OE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.550B	0.072	0.433E	0.030	0.041	0.018	0.022	---	---	1
2	---	---	0 B	0.580B	0.084	0.381E	0.029	0.074	0.018	0.022	---	---	2
3	---	---	0 B	8.20 B	0.080	0.279E	0.030	0.201	0.017	0.023	---	---	3
4	---	---	0 B	11.9 B	0.085	0.229E	0.029	0.100	0.018	0.025	---	---	4
5	---	---	0 B	17.5 B	0.082	0.180E	0.029	0.050	0.016	0.038	---	---	5
6	---	---	0 B	17.0 B	0.048	0.183E	0.029	0.034	0.016	0.035	---	---	6
7	---	---	0 B	7.53 B	0.048	0.128E	0.029	0.028	0.016	0.088	---	---	7
8	---	---	0 B	5.37 B	0.044	0.121E	0.027	0.024	0.015	0.124	---	---	8
9	---	---	0 B	4.31	0.040	0.113A	0.026	0.023	0.015	0.189	---	---	9
10	---	---	0 B	2.90	0.039	0.088	0.032	0.023	0.016	0.275	---	---	10
11	---	---	0 B	1.47	0.036	0.081	0.056	0.023	0.029	0.160	---	---	11
12	---	---	0 B	0.891	0.037	0.088	0.079	0.022	0.188	0.085	---	---	12
13	---	---	0 B	0.881	0.036A	0.073	0.173	0.022	0.109	0.842	---	---	13
14	---	---	0 B	0.540	0.041E	0.076	0.183	0.023	0.046	0.035	---	---	14
15	---	---	0 B	0.424	0.041E	0.081	0.185	0.036	0.029	0.046	---	---	15
16	---	---	0 B	0.334	0.043E	0.050	0.091	0.044	0.024	0.428	---	---	16
17	---	---	0 B	0.306	0.088E	0.048	0.055	0.051	0.022	0.720	---	---	17
18	---	---	0 B	0.246	0.070E	0.044	0.045	0.089	0.025	0.615	---	---	18
19	---	---	0 B	0.185	0.088E	0.039	0.108	0.064	0.025	0.459	---	---	19
20	---	---	0.0708	0.155	0.080E	0.034	0.155	0.044	0.024	0.320	---	---	20
21	---	---	0.1408	0.150	0.080E	0.033	0.281	0.070	0.023	0.240	---	---	21
22	---	---	0.2108	0.119	0.268E	0.032	0.380	0.211	0.025	0.180	---	---	22
23	---	---	0.2808	0.093	0.345E	0.030	0.193	0.231	0.025	0.153	---	---	23
24	---	---	0.3508	0.085	0.345E	0.027	0.118	0.193	0.025	0.157	---	---	24
25	---	---	0.4208	0.087	0.312E	0.026	0.124	0.181	0.024	0.146	---	---	25
26	---	---	0.4908	0.103	0.308E	0.038	0.080	0.138	0.024	0.142	---	---	26
27	---	---	0.5608	0.113	0.405E	0.047	0.048	0.082	0.022	0.158	---	---	27
28	---	---	0.5608	0.111	0.517E	0.051	0.033	0.045	0.024	0.135	---	---	28
29	---		0.5608	0.085	0.605E	0.048	0.027	0.030	0.023	0.124	---	---	29
30	---		0.5608	0.078	0.580E	0.039	0.024	0.024	0.022	0.105	---	---	30
31	---		0.5558		0.503E		0.035	0.021		0.103		---	31
TOTAL	---	---	4 755	80.955	5.246	3.050	2.701	2.222	0.902	5.380	---	---	TOTAL
MEAN	---	---	0.153	2.70	0.169	0.102	0.087	0.072	0.030	0.173	---	---	MEAN
MAX	---	---	0.560	17.5	0.605	0.433	0.380	0.231	0.188	0.720	---	---	MAX
MIN	---	---	0	0.078	0.036	0.026	0.024	0.021	0.015	0.022	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 429
MAXIMUM DAILY, 17 5B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
22 4B AT 20 15 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 96 54 20 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	233
FEB	---	AUG	192
MAR	411	SEP	77 9
APR	5 550	OCT	462
MAY	453	NOV	---
JUN	264	DEC	---

TOTAL DISCHARGE, 9 080 dam³

MAPLE (MARSHY) LAKE NEAR PIPESTONE - STATION NO. 05NG022

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	430.327	430.631	430.500	430.398	430.382	430.237	430.138	430.023	---	1
2	---	---	---	430.343	430.618	430.497	430.394	430.374	430.231	430.132	430.020	---	2
3	---	---	---	430.372	430.609	430.495	430.386	430.386	430.221	430.126	430.016A	---	3
4	---	---	---	430.413	430.603	430.490	430.377	430.368	430.215	430.121	---	---	4
5	---	---	---	430.425	430.595	430.485	430.389	430.350	430.210	430.116	---	---	5
6	---	---	---	430.425	430.583	430.480	430.381	430.342	430.204	430.110	---	---	6
7	---	---	---	430.425	430.573	430.472	430.358	430.333	430.195	430.105	---	---	7
8	---	---	---	430.431	430.580	430.484	430.349	430.325	430.189	430.101	---	---	8
9	---	---	---	430.450	430.548	430.455	430.346	430.317	430.184	430.097	---	---	9
10	---	---	---	430.480	430.538	430.451	430.350	430.318	430.189	430.092	---	---	10
11	---	---	430.138A	430.512	430.525	430.462	430.350	430.321	430.192	430.088	---	---	11
12	---	---	---	430.547	430.513	430.446	430.345	430.318	430.190	430.087	---	---	12
13	---	---	---	430.578	430.502	430.437	430.338	430.317	430.188	430.083	---	---	13
14	---	---	---	430.609	430.491	430.426	430.331	430.320	430.180	430.078	---	---	14
15	---	---	---	430.660	430.482	430.411	430.321	430.328	430.174	430.073	---	---	15
16	---	---	---	430.698	430.486	430.401	430.313	430.328	430.169	430.069	---	---	16
17	---	---	---	430.727	430.502	430.443	430.305	430.322	430.165	430.065	---	---	17
18	---	---	---	430.741	430.501	430.438	430.324	430.316	430.168	430.062	---	---	18
19	---	---	---	430.748	430.500	430.431	430.408	430.311	430.168	430.058	---	---	19
20	---	---	---	430.747	430.500	430.428	430.411	430.306	430.165	430.054	---	---	20
21	---	---	---	430.735	430.504	430.438	430.410	430.288	430.162	430.049	---	---	21
22	---	---	---	430.721	430.502	430.430	430.413	430.289	430.178	430.043	---	---	22
23	---	---	---	430.714	430.500	430.429	430.412	430.280	430.173	430.041	---	---	23
24	---	---	---	430.708	430.496	430.420	430.408	430.274	430.169	430.040	---	---	24
25	---	---	---	430.701	430.492	430.409	430.403	430.289	430.164	430.039	---	---	25
26	---	---	---	430.694	430.490	430.401	430.397	430.283	430.159	430.040	---	---	26
27	---	---	---	430.681	430.486	430.392	430.389	430.281	430.154	430.037	---	---	27
28	---	---	---	430.670	430.500	430.388	430.382	430.285	430.151	430.033	---	---	28
29	---	---	---	430.656	430.508	430.406	430.372	430.280	430.148	430.030	---	---	29
30	---	---	430.213A	430.642	430.507	430.402	430.376	430.250	430.144	430.027	---	---	30
31	---	---	430.281		430.502		430.384	430.243		430.025		---	31
MEAN	---	---	---	430.586	430.528	430.441	430.370	430.309	430.185	430.073	---	---	MEAN
MAX	---	---	---	430.748	430.631	430.500	430.413	430.382	430.237	430.138	---	---	MAX
MIN	---	---	---	430.327	430.482	430.392	430.305	430.243	430.144	430.025	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 430.748 ON APR 19
MINIMUM DAILY, 430.016A ON NOV 2
MAXIMUM INSTANTANEOUS,
430.780 AT 19:51 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

REGULATED SINCE 1968

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
1 170 km²

MARGARET LAKE NEAR OTTER FALLS - STATION NO. 05PF801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.224	274.195	274.176	---	---	---	---	1
2	---	---	---	---	---	274.187	274.239	274.179	---	---	---	---	2
3	---	---	---	---	---	274.139	274.141	274.178	274.101	---	---	---	3
4	---	---	---	---	---	274.209	274.028	274.198	274.080	---	274.271	---	4
5	---	---	---	---	---	274.277	274.087	274.144	274.078	---	---	---	5
6	---	---	---	---	---	274.282	274.080	274.122	274.053	---	---	---	6
7	---	---	---	---	---	274.311	274.120	274.080	---	---	---	---	7
8	---	---	---	---	---	274.226	274.148	274.172	---	---	---	---	8
9	---	---	---	---	---	274.145	274.185	274.164	---	---	---	---	9
10	---	---	---	---	---	274.173	274.088	274.187	---	---	---	---	10
11	---	---	---	---	---	274.108	274.177	274.207	---	---	---	---	11
12	---	---	---	---	---	274.180	274.147	274.138	---	---	---	---	12
13	---	---	---	---	---	274.119	274.124	274.134	---	274.188	---	---	13
14	---	---	---	---	---	274.073	274.157	274.097	---	---	---	---	14
15	---	---	---	---	274.198	274.077	274.145	274.198	---	---	---	---	15
16	---	---	---	---	274.194	274.118	274.109	274.132	---	---	---	---	16
17	---	---	---	---	274.181	274.203	274.104	274.108	274.136	---	---	---	17
18	---	---	---	---	274.237	274.171	274.087	274.158	---	---	---	---	18
19	---	---	---	---	274.187	274.128	274.085	274.120	---	---	---	---	19
20	---	---	---	---	274.198	274.121	274.078	274.119	---	---	---	---	20
21	---	---	---	---	274.157	274.059	274.084	274.136	---	---	---	---	21
22	---	---	---	---	274.122	274.136	274.088	273.976	---	---	---	---	22
23	---	---	---	---	274.177	274.184	274.108	273.989	---	---	---	---	23
24	---	---	---	---	274.280	274.202	274.108	274.020	---	---	---	---	24
25	---	---	---	---	274.278	274.249	274.161	---	---	---	---	---	25
26	---	---	---	---	274.217	274.183	274.131	---	---	---	---	---	26
27	---	---	---	---	274.266	274.097	274.155	274.141	---	---	---	---	27
28	---	---	---	---	274.187	274.182	274.154	274.081	274.126	---	---	---	28
29	---	---	---	---	274.152	274.151	274.104	274.118	---	---	---	---	29
30	---	---	---	274.303	274.246	274.172	274.133	---	---	---	---	---	30
31	---	---	---	---	274.221		274.180	---	---	---	---	---	31
MEAN	---	---	---	---	---	274.188	274.125	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	274.311	274.239	---	---	---	---	---	MAX
MIN	---	---	---	---	---	274.069	274.028	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 06 38 N
LONG 95 49 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
127 000 km²

MARSH RIVER NEAR OTTERBURNE - STATION NO. 05DE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0758	0.036	0	0	0	0	0	---	---	1
2	---	---	0.0	0.1508	0.031	0	0	0	0	0	---	---	2
3	---	---	0.0	0.2258	0.026	0	0	0	0	0	---	---	3
4	---	---	0.0	0.3008	0.021	0	0	0	0	0	---	---	4
5	---	---	0.0	0.5808	0.026	0	0	0	0	0	---	---	5
6	---	---	0.0	18.4 B	0.021	0	0	0	0	0	---	---	6
7	---	---	0.0	36.1 E	0.017	0	0	0	0	0	---	---	7
8	---	---	0.0	53.8 A	0.012	0	0	0	0	0	---	---	8
9	---	---	0.0	54.6	0.008	0	0	0	0	0	---	---	9
10	---	---	0.0	51.0	0.002	0	0	0	0	0	---	---	10
11	---	---	0.0	48.0	0	0	0	0	0	0	---	---	11
12	---	---	0.0	30.2	0	0	0	0	0	0	---	---	12
13	---	---	0.0	23.8	0	0	0	0	0	0	---	---	13
14	---	---	0.0	18.4	0	0	0	0	0	0	---	---	14
15	---	---	0.0	14.4	0	0	0	0	0	0	---	---	15
16	---	---	0.0	10.7	0	0	0	0	0	0	---	---	16
17	---	---	0.0	7.50	0	0	0	0	0	0	---	---	17
18	---	---	0.0	5.80	0	0	0	0	0	0	---	---	18
19	---	---	0.0	4.09	0	0	0	0	0	0	---	---	19
20	---	---	0.0	2.99	0	0	0	0	0	0	---	---	20
21	---	---	0.0	2.10	0	0	0	0	0	0	---	---	21
22	---	---	0.0	1.41	0	0	0	0	0	0	---	---	22
23	---	---	0.0	0.855	0	0	0	0	0	0	---	---	23
24	---	---	0.0	0.483	0	0	0	0	0	0	---	---	24
25	---	---	0.0	0.212	0	0	0	0	0	0	---	---	25
26	---	---	0.0	0.102	0	0	0	0	0	0	---	---	26
27	---	---	0.0	0.141	0	0	0	0	0	0	---	---	27
28	---	---	0.0	0.101	0	0	0	0	0	0	---	---	28
29	---		0.0	0.073	0	0	0	0	0	0	---	---	29
30	---		0.0	0.083	0	0	0	0	0	0	---	---	30
31	---		0.0		0		0	0		0		---	31
TOTAL	---	---	0	378.486	0.193	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	12.6	0.006	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	54.6	0.036	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.083	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.69
MAXIMUM DAILY, 54.6 ON APR 9
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
55.3 AT 16:14 CST ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 20 W
DRAINAGE AREA, 445 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	32 700	OCT	0
MAY	16.7	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 32 700 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05DB014

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	488.073	488.080	488.082	488.073	488.488	488.411	488.309	488.249	488.205	488.153	488.071	488.029	1
2	488.072	488.059	488.082	488.077	488.485	488.406	488.308	488.243	488.204	488.145	488.070	488.030	2
3	488.072	488.058	488.082	488.0868A	488.481	488.402	488.307	488.234	488.200	488.140	488.069	488.031	3
4	488.071	488.058	488.083	488.2198E	488.487	488.397	488.305	488.230	488.198	488.133	488.067	488.031	4
5	488.070	488.059	488.082	488.3778A	488.488	488.394	488.296	488.224	488.193	488.134	488.064	488.030	5
6	488.069	488.058	488.082	488.421	488.482	488.387	488.294	488.219	488.189	488.132	488.063	488.029	6
7	488.068	488.058	488.083	488.988	488.448	488.385	488.290	488.214	488.183	488.129	488.062	488.028	7
8	488.067	488.057	488.083	488.787	488.443	488.381	488.283	488.209	488.176	488.125	488.058	488.031	8
9	488.066	488.058	488.084	488.715	488.438	488.376	488.278	488.206	488.173	488.122	488.057	488.032	9
10	488.065	488.058	488.085	488.689	488.433	488.372	488.274	488.203	488.170	488.118	488.055	488.032	10
11	488.064	488.058	488.085	488.821	488.430	488.374	488.277	488.202	488.170	488.113	488.052	488.036	11
12	488.063	488.058	488.085	488.586	488.421	488.374	488.277	488.199	488.170	488.111	488.052	488.036	12
13	488.065	488.058	488.087	488.578	488.418	488.370	488.278	488.194	488.177	488.103	488.051	488.035	13
14	488.066	488.058	488.087	488.585	488.418	488.368	488.277	488.214	488.172	488.100	488.050	488.034	14
15	488.067	488.058	488.088	488.588	488.411	488.360	488.277	488.208	488.187	488.097	488.051	488.032	15
16	488.067	488.058	488.089	488.548	488.408	488.354	488.278	488.206	488.188	488.097	488.050	488.031	16
17	488.067	488.054	488.070	488.542	488.407	488.354	488.278	488.206	488.188	488.095	488.048	488.030	17
18	488.067	488.054	488.070	488.536	488.402	488.353	488.280	488.204	488.183	488.095	488.046	488.029	18
19	488.067	488.054	488.071	488.531	488.398	488.348	488.279	488.204	488.180	488.087	488.043	488.027	19
20	488.067	488.054	488.071	488.522	488.398	488.343	488.279	488.205	488.157	488.087	488.042	488.026	20
21	488.068	488.057	488.072	488.514	488.413	488.351	488.279	488.200	488.153	488.085	488.041	488.024	21
22	488.068	488.058	488.072	488.508	488.404	488.348	488.280	488.246	488.147	488.084	488.039	488.022	22
23	488.068	488.058	488.071	488.505	488.402	488.348	488.280	488.240	488.143	488.085	488.038	488.021	23
24	488.068	488.058	488.071	488.502	488.401	488.343	488.279	488.236	488.140	488.083	488.035	488.020	24
25	488.068	488.060	488.072	488.498	488.398	488.334	488.278	488.233	488.138	488.080	488.032	488.019	25
26	488.083	488.061	488.072	488.493	488.387	488.327	488.278	488.230	488.133	488.079	488.032	488.018	26
27	488.082	488.061	488.072	488.484	488.408	488.331	488.278	488.227	488.129	488.078	488.032	488.014	27
28	488.082	488.061	488.073	488.482	488.415	488.317	488.277	488.222	488.151	488.078	488.032	488.014	28
29	488.082		488.073	488.477	488.415	488.315	488.284	488.218	488.159	488.074	488.032	488.013	29
30	488.082		488.071	488.472	488.413	488.311	488.282	488.213	488.156	488.073	488.030	488.012	30
31	488.081		488.072		488.410		488.281	488.208		488.071		488.011	31
MEAN	488.068	488.058	488.080	488.581	488.423	488.381	488.281	488.230	488.168	488.102	488.048	488.028	MEAN
MAX	488.073	488.061	488.072	488.631	488.488	488.411	488.309	488.288	488.205	488.153	488.071	488.036	MAX
MIN	488.081	488.054	488.082	488.073	488.397	488.311	488.281	488.194	488.139	488.071	488.030	488.011	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 488.199
MAXIMUM DAILY, 488.631 ON APR 6
MINIMUM DAILY, 488.011 ON DEC 31
MAXIMUM INSTANTANEOUS,
488.676 AT 00:33 CST ON APR 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 27 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
93 6 km²

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0548	0.4908	0.248	0.134	0 018	0.032A	0.009	0.022	---	---	1
2	---	---	0.0538	0 4778	0.236	0.132	0 034	0.014A	0 011	0 027	---	---	2
3	---	---	0.0529	0.5638	0.227A	0.131	0.044	0.002A	0.020	0 045	---	---	3
4	---	---	0.0818	0.9768	0.203E	0.112	0.038	0.008A	0.003	0 048	---	---	4
5	---	---	0.0788	1.58 B	0.179E	0.092	0.020	0.012A	0.004	0.053	---	---	5
6	---	---	0.1048	2.07 B	0 172E	0.078	0.012	0 042A	0.007	0.057	---	---	6
7	---	---	0.1938	2 48 B	0 157E	0.144	0.013	0.021A	0.004	0 043	---	---	7
8	---	---	0.2968	2.82 B	0.144E	0.070A	0.012	0.012A	0 001	0 045	---	---	8
9	---	---	0.5238	2 67 B	0.132E	0.068E	0.007	0.007E	0.003	0.055	---	---	9
10	---	---	0.5368	2.39 B	0.117E	0.067E	0.010	0.018A	0.011	0.057	---	---	10
11	---	---	0.4848	1.81 B	0.102E	0.065E	0.013	0.038A	0.024	0.051	---	---	11
12	---	---	0.3958	1.21	0.092E	0.111A	0.017	0.052	0.037	0 048	---	---	12
13	---	---	0.3678	0.983	0.081A	0.078	0.020	0.018	0 055	0.045	---	---	13
14	---	---	0.3468	0.862	0.105	0.126	0 025	0.038	0 029	0.047	---	---	14
15	---	---	0.3288	0.831	0.108	0.113	0.038	0.132	0.026	0.048	---	---	15
16	---	---	0.3248	0.785	0.148	0.075	0 035	0.118	0 021	0.048	---	---	16
17	---	---	0.3418	0 854	0.148	0.143	0 024	0 101	0.022	0.048	---	---	17
18	---	---	0.3578	0.588	0.148	0.079	0.014	0 042	0.058	0 056	---	---	18
19	---	---	0.3958	0.497	0.145	0.040A	0.144	0.025	0 083	0 057	---	---	19
20	---	---	0.4848	0.442	0.158	0.024	0 195	0.024	0.049	0.055	---	---	20
21	---	---	1.03 B	0.408	0.151	0.017	0.058A	0.028	0.033	0 055	---	---	21
22	---	---	1.28 B	0.372	0.117	0.013	0.050A	0 030	0 028	0.052	---	---	22
23	---	---	0 7308	0 353	0 120	0.011	0 047A	0.020	0.021	0 056	---	---	23
24	---	---	0 5878	0 332	0.098	0.017	0.027A	0.014	0.028	0.051	---	---	24
25	---	---	0.5049	0.338	0.090	0.015	0.024A	0.010	0.039	0.052	---	---	25
26	---	---	0.5178	0 303	0.095	0.033	0.013A	0.018	0.027	0.053	---	---	26
27	---	---	0.4518	0.278	0.118	0.028	0.008A	0.024	0.033	0.053	---	---	27
28	---	---	0.5008	0.267	0.229	0.028	0 011A	0.023	0.021	0.073	---	---	28
29	---		0.5088	0.256	0.404	0.028	0.003A	0 015	0.018	0 060	---	---	29
30	---		0.5368	0.252	0.214	0.018	0.004A	0.011	0.014	0 062	---	---	30
31	---		0.5328		0.148		0.015A	0.011		0.057		---	31
TOTAL	---	---	13.088	28.544	4.824	2.088	0 982	0 957	0.697	1.692	---	---	TOTAL
MEAN	---	---	0.421	0 951	0.156	0.070	0.032	0 031	0 023	0 055	---	---	MEAN
MAX	---	---	1.28	2.92	0.404	0 144	0 195	0 132	0 083	0 083	---	---	MAX
MIN	---	---	0.052	0 252	0.081	0.011	0.003	0.002	0.001	0.022	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.216
MAXIMUM DAILY, 2.920 ON APR 8
MINIMUM DAILY, 0.001 ON SEP 8
MAXIMUM INSTANTANEOUS,
3.290 AT 00 53 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 99 28 45 W
DRAINAGE AREA, 78 2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	85 7
FEB	---	AUG	82 7
MAR	1 130	SEP	60 2
APR	2 470	OCT	148
MAY	417	NOV	---
JUN	180	DEC	---

TOTAL DISCHARGE, 4 570 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. 05NS020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1 50 B	0 004	0	0	0	0 005	0 004	---	---	1
2	---	---	0 B	0 881	0 003	0	0	0	0 003	0 003	---	---	2
3	---	---	0 B	0 951	0 003	0	0	0	0 002	0 003	---	---	3
4	---	---	0 B	0 838	0 003	0	0	0	0 002	0 002	---	---	4
5	---	---	0 B	0 729	0 003	0	0	0	0 001	0 002	---	---	5
6	---	---	0 B	0 634	0 002	0	0	0	0 001	0 001	---	---	6
7	---	---	0 B	0 318	0 002	0	0	0	0 001	0 001	---	---	7
8	---	---	0 B	0 228	0 002	0	0	0	0	0 001	---	---	8
9	---	---	0 B	0 188	0 001	0	0	0		0 001	---	---	9
10	---	---	0 B	0 137	0	0	0	0		0 001	---	---	10
11	---	---	0 B	0 095	0	0	0	0	0 001	0	---	---	11
12	---	---	0 B	0 075	0	0	0	0	0 001	0	---	---	12
13	---	---	0 B	0 068	0	0	0	0	0 001	0	---	---	13
14	---	---	0 B	0 047	0	0	0	0	0 001	0	---	---	14
15	---	---	0 B	0 039	0	0	0	2 02	0 001	0 001	---	---	15
16	---	---	0 1028	0 033	0	0	0	1 37	0 001	0	---	---	16
17	---	---	0 1578	0 030	0	0	0	0 547	0 001	0	---	---	17
18	---	---	0 1398	0 027	0	0	0	0 307	0 001	0	---	---	18
19	---	---	0 0448	0 024	0	0	0	0 183	0 001	0	---	---	19
20	---	---	0 0388	0 021	0	0	0	0 117	0 001	0	---	---	20
21	---	---	0 3878	0 020	0	0	0	0 075	0 002	0	---	---	21
22	---	---	8 35 B	0 019	0	0	0	0 049	0 004	0	---	---	22
23	---	---	12 7	0 017	0	0	0	0 036	0 008	0	---	---	23
24	---	---	8 13	0 018	0	0	0	0 033	0 010	0	---	---	24
25	---	---	5 85	0 014	0	0	0	0 030	0 010	0	---	---	25
26	---	---	4 01	0 013	0	0	0	0 022	0 009	0	---	---	26
27	---	---	3 00 B	0 010	0	0	0	0 018	0 008	0	---	---	27
28	---	---	1 11 B	0 008	0	0	0	0 012	0 008	0	---	---	28
29	---		0 7388	0 008	0	0	0	0 009	0 008	0	---	---	29
30	---		0 4268	0 005	0	0	0	0 008	0 005	0	---	---	30
31	---		0 9088		0		0	0 008		0		---	31
TOTAL	---	---	45 871	5 535	0 033	0	0	4 842	0 088	0 018	---	---	TOTAL
MEAN	---	---	1 48	0 231	0 001	0	0	0 156	0 003	0 001	---	---	MEAN
MAX	---	---	12 7	1 50	0 004	0	0	2 02	0 010	0 004	---	---	MAX
MIN	---	---	0	0 005	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 238
MAXIMUM DAILY 12 7 ON MAR 23
MINIMUM DAILY 00 ON MAR 1
MAXIMUM INSTANTANEOUS
14 6 AT 03 45 CST ON MAR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	418
MAR	3 980	SEP	8 47
APR	599	OCT	1 56
MAY	1 89	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 990 dam³

MINK CREEK NEAR ETHELBERT - STATION NO. 05LJ019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0198	0.1788	0.214	0.067	0.025	0.038	0.008	0.088E	---	---	1
2	---	---	0.0248	0.4258	0.190	0.073	0.024	0.025	0.004	0.084E	---	---	2
3	---	---	0.0308	0.8708	0.178	0.062	0.020	0.014	0.001	0.084E	---	---	3
4	---	---	0.0368	1.40 B	0.178	0.054	0.025	0.028	0	0.087E	---	---	4
5	---	---	0.0508	4.64 B	0.171	0.054	0.065	0.022	0	0.088E	---	---	5
6	---	---	0.0628	9.55 B	0.163	0.058	0.067	0.048	0	0.087A	---	---	6
7	---	---	0.1248	9.54	0.150	0.033	0.065	0.042	0	0.089	---	---	7
8	---	---	0.1308	8.04	0.149	0.017	0.076	0.048	0	0.092	---	---	8
9	---	---	0.1128	6.84	0.144	0.006	0.067	0.049	0	0.095	---	---	9
10	---	---	0.0718	5.74	0.129	0.004	0.072	0.045	0	0.097	---	---	10
11	---	---	0.0408	3.86	0.130	0.005	0.073	0.041	0	0.096	---	---	11
12	---	---	0.0228	2.78	0.182	0.008	0.048	0.028	0	0.111	---	---	12
13	---	---	0.0178	2.20	0.135	0.004	0.062	0.018	0	0.115	---	---	13
14	---	---	0.0188	1.78	0.103	0.002	0.154	0.013	0	0.108	---	---	14
15	---	---	0.0218	1.53	0.089	0.002	0.107	0.017	0	0.106	---	---	15
16	---	---	0.0258	1.43	0.081	0.001	0.083	0.028	0.004	0.107	---	---	16
17	---	---	0.0368	1.38	0.074	0.001	0.058	0.028	0.138A	0.110	---	---	17
18	---	---	0.0438	1.32	0.101	0	0.038	0.023	0.340E	0.087	---	---	18
19	---	---	0.0508	1.32	0.112	0	0.090	0.023	1.10 E	0.077	---	---	19
20	---	---	0.0638	1.18	0.083	0	0.148	0.024	0.858E	0.082	---	---	20
21	---	---	0.0808	0.878	0.079	0	0.152	0.017	0.887E	0.096	---	---	21
22	---	---	0.1068	0.786	0.092	0.012	0.124	0.018	0.488E	0.107	---	---	22
23	---	---	0.1368	0.811	0.059	0.138	0.149	0.011	0.350E	0.101	---	---	23
24	---	---	0.0868	0.423	0.052	0.139	0.198	0.008	0.577E	0.094	---	---	24
25	---	---	0.1058	0.524	0.049	0.098	0.157	0.005	0.395E	0.108	---	---	25
26	---	---	0.1348	0.395	0.048	0.083	0.111	0.004	0.285E	0.124	---	---	26
27	---	---	0.1818	0.376	0.050	0.039	0.082	0.004	0.222E	0.130	---	---	27
28	---	---	0.1488	0.326	0.124	0.030	0.062	0.001	0.172E	0.121	---	---	28
29	---	---	0.0778	0.282	0.181	0.021	0.037	0.001	0.140E	0.120	---	---	29
30	---	---	0.0808	0.235	0.140	0.015	0.032	0.030	0.112E	0.100	---	---	30
31	---		0.1188		0.102		0.038	0.013		0.099	---	---	31
TOTAL	---	---	2.264	70.720	3.718	1.027	2.488	0.705	5.888	3.078	---	---	TOTAL
MEAN	---	---	0.073	2.36	0.120	0.034	0.080	0.023	0.196	0.099	---	---	MEAN
MAX	---	---	0.191	9.55	0.214	0.138	0.198	0.048	1.10	0.130	---	---	MAX
MIN	---	---	0.017	0.178	0.048	0	0.020	0.001	0	0.088	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.367
MAXIMUM DAILY, 9.550 ON APR 6
MINIMUM DAILY, 0 ON JUN 18
MAXIMUM INSTANTANEOUS,
11.5 AT 20:18 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 100 21 10 W
DRAINAGE AREA, 144 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	215
FEB	---	AUG	60.8
MAR	196	SEP	507
APR	5 110	OCT	288
MAY	321	NOV	---
JUN	88.7	DEC	---

TOTAL DISCHARGE, 7 780 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05ME008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.492	0.594	0.018	---	---	---	---	---	---	1
2	---	---	0 B	0.438	0.574	0.033	---	---	---	---	---	---	2
3	---	---	0 B	0.880	0.555	0.027	---	---	---	---	---	---	3
4	---	---	0 B	2.64	0.542	0.051	---	---	---	---	---	---	4
5	---	---	0 B	3.86	0.545	0.085	---	---	---	---	---	---	5
6	---	---	0 B	5.04	0.475	0.025	---	---	---	---	---	---	6
7	---	---	0 B	4.16 E	0.413	0.011	---	---	---	---	---	---	7
8	---	---	0 B	3.26 A	0.348	0.009	---	---	---	---	---	---	8
9	---	---	0 B	1.62	0.457	0.008	---	---	---	---	---	---	9
10	---	---	0 B	1.05	0.375	0.009	---	---	---	---	---	---	10
11	---	---	0 B	0.749	0.297	0.008	---	---	---	---	---	---	11
12	---	---	0 B	0.545	0.264	0.007	---	---	---	---	---	---	12
13	---	---	0 B	0.389	0.211	0.006	---	---	---	---	---	---	13
14	---	---	0 B	0.309	0.187	0.002	---	---	---	---	---	---	14
15	---	---	0 B	0.228	0.142	0.001	---	---	---	---	---	---	15
16	---	---	0 B	0.180	0.137	0.018	---	---	---	---	---	---	16
17	---	---	0 B	0.118	0.222	0.006	---	---	---	---	---	---	17
18	---	---	0 B	0.155	0.287	0.007A	---	---	---	---	---	---	18
19	---	---	0 B	0.321	0.132	0.006E	---	---	---	---	---	---	19
20	---	---	0 B	0.380	0.110	0.006E	---	---	---	---	---	---	20
21	---	---	0.0068	0.488	0.086	0.006E	---	---	---	---	---	---	21
22	---	---	0.0138	0.530	0.183	0.007E	---	---	---	---	---	---	22
23	---	---	0.0108	0.553	0.104	0.007E	---	---	---	---	---	---	23
24	---	---	0.0158	0.640	0.083	0.006E	---	---	---	---	---	---	24
25	---	---	0.0228	0.710	0.052	0.004E	---	---	---	---	---	---	25
26	---	---	0.0248	0.672	0.033	0.002E	---	---	---	---	---	---	26
27	---	---	0.0258	0.676	0.034	0.001E	---	---	---	---	---	---	27
28	---	---	0.0268	0.713	0.048	0.007E	---	---	---	---	---	---	28
29	---		0.0308	0.842	0.049	0.010E	---	---	---	---	---	---	29
30	---		0.0288	0.698	0.035	0.012E	---	---	---	---	---	---	30
31	---		0.0508		0.021		---	---		---	---	---	31
TOTAL	---	---	0.254	32.711	7.546	0.455	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.008	1.09	0.243	0.015	---	---	---	---	---	---	MEAN
MAX	---	---	0.050	5.04	0.594	0.085	---	---	---	---	---	---	MAX
MIN	---	---	0	0.118	0.021	0.001	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.336
MAXIMUM DAILY, 5.04 ON APR 6
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.62 AT 20:44 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 09 N
LONG 101 01 14 W
DRAINAGE AREA, 382 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	21.9	SEP	---
APR	2 630	OCT	---
MAY	652	NOV	---
JUN	39.3	DEC	---

TOTAL DISCHARGE, 3 540 dam³

MOOSE LAKE NEAR SPRAGUE - STATION NO. 05PD802

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	346.875E	346.775E	346.675E	---	---	---	---	1
2	---	---	---	---	---	346.875	346.785E	346.675	---	---	---	---	2
3	---	---	---	---	---	346.875E	346.785	346.675E	---	---	---	---	3
4	---	---	---	---	---	346.875E	346.785E	346.675E	---	---	---	---	4
5	---	---	---	---	---	346.875	346.775	346.685E	---	---	---	---	5
6	---	---	---	---	---	346.875E	346.775E	346.683E	---	---	---	---	6
7	---	---	---	---	---	346.875	346.775	346.685	---	---	---	---	7
8	---	---	---	---	346.915	346.885E	346.785E	346.685E	---	---	---	---	8
9	---	---	---	---	346.885E	346.885E	346.752E	346.685	---	---	---	---	9
10	---	---	---	---	346.875E	346.885	346.755	346.641E	---	---	---	---	10
11	---	---	---	346.854	346.885E	346.882E	346.755	346.641E	---	---	---	---	11
12	---	---	---	---	346.835	346.885E	346.755E	346.635	---	---	---	---	12
13	---	---	---	---	346.843E	346.875	346.755	346.620E	---	---	---	---	13
14	---	---	---	---	346.851E	346.875E	346.755E	346.613E	---	---	---	---	14
15	---	---	---	---	346.859E	346.875	346.755	346.607	---	---	---	---	15
16	---	---	---	---	346.867E	346.885E	346.755E	346.607E	---	346.583	---	---	16
17	---	---	---	346.879	346.875	346.855	346.755E	346.607	---	---	---	---	17
18	---	---	---	---	346.870E	346.885E	346.755	346.607E	---	---	---	---	18
19	---	---	---	---	346.885E	346.885E	346.755E	346.607	---	---	---	---	19
20	---	---	---	---	346.880E	346.885	346.775	346.787E	---	---	---	---	20
21	---	---	---	---	346.885	346.880E	346.790E	346.787E	---	---	---	---	21
22	---	---	---	---	346.885E	346.825	346.805	346.777	---	---	---	---	22
23	---	---	---	---	346.885	346.825E	346.808E	346.777E	---	---	---	---	23
24	---	---	---	---	346.885E	346.825	346.805E	346.777	---	---	---	---	24
25	---	346.636	---	346.879	346.875	346.825E	346.805	346.777E	---	---	---	---	25
26	---	---	---	---	346.885E	346.829E	346.805E	346.777	---	---	---	---	26
27	---	---	---	---	346.885	346.825	346.805	346.770E	---	---	---	---	27
28	---	---	---	---	346.880E	346.815E	346.818	346.784E	---	---	---	---	28
29	---	---	---	---	346.882E	346.805	346.808	346.757	---	---	---	---	29
30	---		---	---	346.875	346.785E	346.829E	---	---	---	---	---	30
31	---		---	---	346.875E	346.785E	346.853E	---	---	---	---	---	31
					346.875		346.875	---					
MEAN	---	---	---	---	---	346.849	346.784	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	346.875	346.875	---	---	---	---	---	MAX
MIN	---	---	---	---	---	346.785	346.785	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 11 52 N
LONG 99 20 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1987

DRAINAGE AREA,
24.3 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MORRIS RIVER NEAR ROSENORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.114B	5.88B	2.07	0.217E	0.087	0.089	0.028	0.006	---	---	1
2	---	---	0.114B	5.09B	1.83	0.205E	0.058	0.059	0.032	0.003	---	---	2
3	---	---	0.114B	5.88B	1.87	0.203E	0.047	0.048	0.018	0.005	---	---	3
4	---	---	0.114B	10.4 B	1.79	0.201E	0.046	0.038	0.019	0.195	---	---	4
5	---	---	0.114B	33.9 B	1.88	0.204E	0.042	0.037	0.033	0.219A	---	---	5
6	---	---	0.114B	53.7 B	1.47 A	0.200E	0.042	0.018	0.024	0.223E	---	---	6
7	---	---	0.114B	63.3 B	1.30 E	0.204E	0.048	0.011	0.018	0.213E	---	---	7
8	---	---	0.114B	108	1.10 E	0.210E	0.033	0.003	0.018	0.220E	---	---	8
9	---	---	0.114B	118	0.920E	0.178E	0.048	0.001	0.013	0.227E	---	---	9
10	---	---	0.114B	112	0.800E	0.188E	0.039	0.003	0.018	0.221E	---	---	10
11	---	---	0.114B	89.7	0.700E	0.184E	0.011	0.000	0.017	0.217E	---	---	11
12	---	---	0.114B	80.7	0.625E	0.203E	0.008	0.010	0.030	0.219E	---	---	12
13	---	---	0.114B	61.7	0.575E	0.198E	0.021	0.013	0.022	0.221E	---	---	13
14	---	---	0.114B	45.1	0.540E	0.184E	0.043	0.023	0.024	0.224E	---	---	14
15	---	---	0.114B	31.9	0.508E	0.144E	0.084	0.053	0.020	0.229E	---	---	15
16	---	---	0.114B	23.3	0.478E	0.138A	0.084	0.047	0.018	0.218E	---	---	16
17	---	---	0.227B	15.8	0.450E	0.148	0.050	0.048	0.017	0.212E	---	---	17
18	---	---	0.396B	10.8	0.403E	0.131	0.057	0.057	0.018	0.214E	---	---	18
19	---	---	0.501B	8.05	0.388E	0.106	0.050	0.058	0.020	0.216E	---	---	19
20	---	---	1.34 B	6.57	0.387E	0.112	0.072	0.055	0.019	0.232E	---	---	20
21	---	---	3.51 B	5.49	0.378E	0.104	0.074	0.047	0.017	0.236E	---	---	21
22	---	---	3.62 B	4.74	0.383E	0.119	0.073	0.053	0.016	0.242E	---	---	22
23	---	---	2.88 B	4.02	0.385E	0.120	0.077	0.064	0.011	0.249E	---	---	23
24	---	---	3.29 B	3.62	0.338E	0.116	0.090	0.041	0.009	0.254E	---	---	24
25	---	---	1.77 B	3.28	0.322E	0.132	0.091	0.048	0.008	0.257E	---	---	25
26	---	---	1.53 B	2.84	0.298E	0.120	0.088	0.048	0.014	0.262E	---	---	26
27	---	---	2.60 B	2.69	0.300E	0.118	0.078	0.047	0.025	0.263E	---	---	27
28	---	---	3.34 B	2.55	0.309E	0.107	0.053	0.051	0.026	0.259E	---	---	28
29	---		4.92 B	2.31	0.275E	0.083	0.057	0.057	0.017	0.260E	---	---	29
30	---		5.56 B	2.19	0.267E	0.074	0.068	0.050	0.004	0.255E	---	---	30
31	---		5.56 B		0.236E		0.078	0.042		0.261E	---	---	31
TOTAL	---	---	41.857	946.23	23.441	4.810	1.803	1.178	0.538	6.819	---	---	TOTAL
MEAN	---	---	1.35	31.5	0.756	0.164	0.058	0.038	0.018	0.210	---	---	MEAN
MAX	---	---	5.56	118	2.07	0.217	0.091	0.089	0.032	0.263	---	---	MAX
MIN	---	---	0.114	2.19	0.236	0.074	0.008	0.001	0.004	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 6.18
MAXIMUM DAILY, 118 ON APR 9
MINIMUM DAILY, 0.001 ON AUG 9
MAXIMUM INSTANTANEOUS,
121 AT 02 25 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 97 26 51 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	156
FEB	---	AUG	102
MAR	3 820	SEP	46 5
APR	81 700	OCT	583
MAY	3 030	NOV	---
JUN	356	DEC	---

TOTAL DISCHARGE, 88 800 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.00	11.8	10.9	11.7	19.7	18.0	0.982	0.252	0.175	0.181	12.2	8.17	1
2	13.10	11.9	10.9	11.8	19.4	11.1	0.289	0.229	0.261	0.256	8.48	8.10	2
3	12.90	11.8	11.2	12.0	20.0	14.7	0.281	0.192	0.248	0.277	10.1	8.03	3
4	13.10	11.9	11.0	12.1	19.2	17.6	0.259	0.187	0.207	0.215	7.12	8.11	4
5	12.80	11.8	11.2	11.3	17.4	18.2	0.249	0.220	0.205	0.188	8.43	8.13	5
6	12.70	11.8	10.8	11.2	18.5	18.2	0.278	0.188	0.197	0.330	10.2	8.88	6
7	13.00	11.3	10.4	11.2	18.4	14.5	0.271	0.200	0.183	0.382	7.30	8.14	7
8	12.90	11.8	10.5	11.3	17.8	17.2	0.240	0.199	0.191	0.420	8.06	8.08	8
9	12.80	11.5	10.6	11.7	17.4	18.4	0.280	0.200	0.212	0.307	8.21	8.88	9
10	13.10	11.5	10.8	11.7	18.5	18.8	0.234	0.237	0.219	0.381	7.72	8.09	10
11	12.90	11.3	10.8	13.8	18.1	18.7	0.213	0.217	0.224	0.380	8.73	8.79	11
12	12.90	11.3	10.6	14.8	18.6	18.3	0.208	0.184	0.280	0.376	8.61	8.88	12
13	12.80	10.8	10.8	18.4	18.5	18.4	0.238	0.187	0.289	0.389	8.73	8.98	13
14	12.4	11.2	10.6	18.0	18.2	18.3	0.228	0.182	0.284	0.336	7.67	8.84	14
15	12.6	11.3	10.9	18.1	18.3	18.8	0.284	0.202	0.302	0.358	8.32	8.83	15
16	12.7	10.8	10.8	18.4	18.4	18.6	0.227	0.177	0.318	0.333	8.46	8.34E	16
17	12.5	11.1	10.7	18.8	17.8	8.48	0.204	0.184	0.308	0.320	8.18	8.67E	17
18	12.4	11.1	11.1	18.5	18.8	7.84	0.199	0.188	0.282	0.283	7.91	8.48E	18
19	12.5	11.2	11.2	18.4	18.1	8.75	0.240	0.194	0.289	0.278	8.28	8.00E	19
20	12.7	11.1	11.3	18.2	13.6	8.73	0.218	0.218	0.332	0.262	8.83	8.88E	20
21	13.2	10.8	11.3	21.1	14.8	8.83	0.207	0.208	0.334	0.301	8.81	8.96E	21
22	12.4	10.8	11.1	18.4	17.3	8.11	0.200	0.183	0.320	0.288	8.38	8.87E	22
23	12.3	10.8	11.2	20.0	17.0	2.18	0.209	0.208	0.307	0.248	8.38	8.78E	23
24	12.3	10.8	11.0	20.0	17.7	0.778	0.203	0.218	0.308	0.234	8.38	8.91E	24
25	12.3	10.2	11.0	18.8	18.1	0.588	0.202	0.229	0.318	0.238	8.41	8.97E	25
26	12.4	10.8	11.4	17.8	17.0	0.565	0.204	0.244	0.327	4.28	8.38	8.85E	26
27	12.2	10.7	8.80	18.7	18.8	0.473	0.198	0.283	0.328	8.08	8.30	8.70E	27
28	12.3	10.8	11.5	18.4	18.8	0.381	0.201	0.271	0.318	10.5	8.38	4.82E	28
29	12.1		11.8	18.3	18.8	0.334	0.234	0.207	0.328	10.1	8.28	3.82E	29
30	12.1		11.8	21.7	17.4	0.332	0.280	0.183	0.348	10.7	8.17	3.84E	30
31	11.8		11.7		18.2		0.271	0.188		11.0		4.04E	31
TOTAL	390.2	313.8	340.40	488.1	544.8	311.182	7.987	6.436	8.202	83.180	218.02	178.47	TOTAL
MEAN	12.6	11.2	11.0	16.3	17.6	10.4	0.257	0.208	0.273	2.04	7.30	5.69	MEAN
MAX	13.1	11.9	11.8	21.7	20.0	18.8	0.982	0.271	0.348	11.0	12.2	8.17	MAX
MIN	11.8	10.2	8.80	11.2	13.6	0.333	0.188	0.183	0.175	0.188	8.28	3.82	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.86
MAXIMUM DAILY, 21.7 ON APR 30
MINIMUM DAILY, 0.183 ON AUG 30
MAXIMUM INSTANTANEOUS,
29.2 AT 02:45 CST ON MAY 15

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 99 58 00 W
DRAINAGE AREA, 8 710 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	33 700	JUL	888
FEB	27 100	AUG	556
MAR	29 400	SEP	708
APR	42 200	OCT	5 460
MAY	47 100	NOV	18 900
JUN	26 900	DEC	15 200

TOTAL DISCHARGE, 248 000 dam³

MOWBRAY CREEK NEAR MOWBRAY - STATION NO. 05OB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.088	0.023	0	0	0.015	0.074	0.015	0.0038	1
2	0B	0B	0B	0 B	0.048	0.021	0	0	0.008	0.153	0.014	0.0038	2
3	0B	0B	0B	0.3188	0.038	0.057	0	0	0.004	0.078	0.013	0.0038	3
4	0B	0B	0B	1.33 B	0.031	0.103	0	0	0.002	0.051	0.011	0.0038	4
5	0B	0B	0B	5.34 B	0.030	0.120	0	0	0	0.049	0.005	0.0038	5
6	0B	0B	0B	22.3 B	0.009	0.121	0	0	0	0.051	0.005	0.0038	6
7	0B	0B	0B	30.0	0.006	0.113	0	0	0	0.080	0.006	0.0038	7
8	0B	0B	0B	17.4	0.004	0.092	0	0	0	0.115	0.003	0.0038	8
9	0B	0B	0B	15.9	0	0.070	0	0	0	0.128	0.002	0.0028	9
10	0B	0B	0B	13.1	0	0.048	0	0	0	0.123	0.001	0.0018	10
11	0B	0B	0B	9.94	0	0.038	0	0	0	0.108	0.001	0.0018	11
12	0B	0B	0B	8.87	0	0.028	0.001	0	0	0.088	0.003	0.0018	12
13	0B	0B	0B	4.80	0	0.018	0.008	0	0	0.068	0.089	0.0018	13
14	0B	0B	0B	3.88	0	0.007	0.004	0.028	0	0.058	0.085	0	B 14
15	0B	0B	0B	2.78	0	0	0.001	0.248	0	0.048	0.087	0	B 15
16	0B	0B	0B	2.03	0	0	0	0.087	0	0.039	0.086	0	B 16
17	0B	0B	0B	1.88	0	0	0	0.078	0	0.032	0.0418	0	B 17
18	0B	0B	0B	1.18	0	0	0	0.111	0	0.026	0.0228	0	B 18
19	0B	0B	0B	0.784	0	0	0	0.107	0	0.020	0.0278	0	B 19
20	0B	0B	0B	0.587	0	0	0	0.083	0	0.014	0.0138	0	B 20
21	0B	0B	0B	0.488	0.001	0	0	0.063	0	0.013	0.0098	0	B 21
22	0B	0B	0B	0.380	0	0	0	0.047	0	0.010	0.0068	0	B 22
23	0B	0B	0B	0.274	0	0	0	0.058	0	0.014	0.0048	0	B 23
24	0B	0B	0B	0.202	0	0	0	0.142	0	0.033	0.0048	0	B 24
25	0B	0B	0B	0.187	0	0	0	0.183	0	0.039	0.0048	0	B 25
26	0B	0B	0B	0.133	0.008	0	0	0.121	0	0.032	0.0048	0	B 26
27	0B	0B	0B	0.113	0.012	0	0	0.081	0	0.023	0.0038	0	B 27
28	0B	0B	0B	0.100	0.017	0	0	0.058	0.003	0.020	0.0038	0	B 28
29	0B		0B	0.075	0.030	0	0	0.043	0.002	0.023	0.0038	0	B 29
30	0B		0B	0.068	0.033	0	0	0.032	0.039	0.023	0.0038	0	B 30
31	0B		0B		0.027		0	0.033		0.021		0	B 31
TOTAL	0	0	0	131.619	0.336	0.858	0.012	1.561	0.084	1.852	0.535	0.030	TOTAL
MEAN	0	0	0	4.60	0.011	0.028	0	0.050	0.002	0.053	0.018	0.001	MEAN
MAX	0	0	0	22.3	0.033	0.121	0.008	0.248	0.029	0.153	0.089	0.003	MAX
MIN	0	0	0	0	0	0	0	0	0	0.010	0.001	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.376
MAXIMUM DAILY, 22.38 ON APR 6
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
28.78 AT 04:58 CST ON APR 6

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 98 37 15 W
DRAINAGE AREA, 281 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	1 04
FEB	0	AUG	133
MAR	0	SEP	5 53
APR	11 400	OCT	143
MAY	38 8	NOV	46 3
JUN	74 0	DEC	2 59

TOTAL DISCHARGE, 11 800 dam³

NEEPAWA CREEK NEAR NEEPAWA - STATION NO. 05LL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0888	0.0898	0.180	0.800	0.010	0.320	0.005	0.038	---	---	1
2	---	---	0.0888	0.1208	0.156	0.402	0.029	0.116	0.006	0.033	---	---	2
3	---	---	0.0888	0.4488	0.142	0.259	0.022	0.063	0.007	0.030	---	---	3
4	---	---	0.0888	3.92 B	0.144	0.179	0.012	0.048	0.008	0.034	---	---	4
5	---	---	0.0888	9.81 B	0.128	0.122	0.008	0.037	0.003	0.041	---	---	5
6	---	---	0.0888	10.9 B	0.119	0.087	0.009	0.029	0.002	0.045	---	---	6
7	---	---	0.0888	21.2	0.171	0.251	0.018	0.020	0.001	0.038	---	---	7
8	---	---	0.0888	19.5	0.181	0.173	0.008	0.018	0.014	0.064	---	---	8
9	---	---	0.0888	12.5	0.122	0.124	0.007	0.017	0.010	0.058	---	---	9
10	---	---	0.0888	7.98	0.100	0.108	0.009	0.025	0.004	0.052	---	---	10
11	---	---	0.0888	5.08	0.088	0.134	0.025	0.077	0.001	0.052	---	---	11
12	---	---	0.0888	3.32	0.076	0.111	0.018	0.053	0.008	0.045	---	---	12
13	---	---	0.0888	2.48	0.081	0.078	0.014	0.038	0.013	0.035	---	---	13
14	---	---	0.0888	2.01	0.087	0.055	0.010	0.037	0.011	0.028	---	---	14
15	---	---	0.0888	1.75	0.048	0.041	0.007	0.102	0.008	0.033	---	---	15
16	---	---	0.0888	1.58	0.048	0.023	0.008	0.083	0.010	0.037	---	---	16
17	---	---	0.0888	1.42	0.043	0.018	0.005	0.070	0.016	0.035	---	---	17
18	---	---	0.0888	1.24	0.044	0.052	0.005	0.053	0.019	0.038	---	---	18
19	---	---	0.0888	1.07	0.040	0.013	0.087	0.038	0.032	0.042	---	---	19
20	---	---	0.0888	0.912	0.042	0.008	0.113	0.031	0.030	0.058	---	---	20
21	---	---	0.0888	0.758	0.048	0.018	0.080	0.020	0.031	0.055	---	---	21
22	---	---	0.0888	0.627	0.043	0.038	0.038	0.014	0.020	0.054	---	---	22
23	---	---	0.0888	0.526	0.039	0.023	0.038	0.011	0.017	0.049	---	---	23
24	---	---	0.0888	0.435	0.041	0.007	0.034	0.014	0.015	0.048	---	---	24
25	---	---	0.0888	0.372	0.034	0.008	0.029	0.018	0.017	0.039	---	---	25
26	---	---	0.0888	0.317	0.038	0.003	0.030	0.010	0.018	0.048	---	---	26
27	---	---	0.0888	0.268	0.058	0.002	0.019	0.004	0.015	0.047	---	---	27
28	---	---	0.0888	0.242	0.096	0.002	0.005	0.008	0.024	0.048	---	---	28
29	---	---	0.0888	0.211	0.336	0.037	0.003	0.007	0.053	0.047	---	---	29
30	---	---	0.0888	0.181	0.795	0.013	0.001	0.007	0.048	0.038	---	---	30
31	---	---	0.0888		0.812		2.21	0.007		0.037		---	31
TOTAL	---	---	2.127	111.185	4.304	2.993	2.879	1.401	0.488	1.400	---	---	TOTAL
MEAN	---	---	0.069	3.71	0.139	0.100	0.093	0.045	0.016	0.045	---	---	MEAN
MAX	---	---	0.089	21.2	0.812	0.800	2.21	0.320	0.053	0.098	---	---	MAX
MIN	---	---	0.088	0.089	0.034	0.002	0.001	0.004	0.001	0.028	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.517
MAXIMUM DAILY, 21.2 ON APR 7
MINIMUM DAILY, 0.001 ON JUL 30
MAXIMUM INSTANTANEOUS,
24.8 AT 11:05 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 58 N
LONG 99 34 00 W
DRAINAGE AREA, 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	248
FEB	---	AUG	131
MAR	184	SEP	42.2
APR	9 600	OCT	121
MAY	372	NOV	---
JUN	259	DEC	---

TOTAL DISCHARGE, 10 900 dam³

NEEPAWA RESERVOIR NEAR NEEPAWA - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	359.055	359.051	359.055	359.087	359.072	358.946	358.775	359.115	359.028	358.889	358.944	359.035E	1
2	359.056	359.055	359.056	359.086	359.065	358.942	358.770	359.125	359.027	358.889	358.952	359.036E	2
3	359.056	359.056	359.055	359.086	359.056	358.938	358.764	359.105	359.015	358.888	358.985	359.036E	3
4	359.056	359.056	359.054	359.127	359.054	358.936	358.755	359.092	359.008	358.881	358.984	359.039E	4
5	359.056	359.056	359.052	359.231	359.047	358.933	358.743	359.078	359.005	358.877	358.973	359.040E	5
6	359.056	359.055	359.050	359.403	359.042	358.932	358.736	359.073	358.997	358.880	358.977	359.042E	6
7	359.056	359.055	359.051	359.570	359.039	358.928	358.733	359.072	358.987	358.881	358.978	359.043E	7
8	359.056	359.055	359.054	359.682	359.030	358.921	358.713	359.065	358.978	358.875	358.981	359.045E	8
9	359.056	359.055	359.055	359.719	359.026	358.913	358.703	359.062	358.971	358.872	358.991	359.046A	9
10	359.055	359.056	359.054	359.704	359.021	358.905	358.700	359.062	358.962	358.873	359.004A	359.050	10
11	359.055	359.056	359.054	359.502	359.015	358.898	358.695	359.058	358.957	358.872	359.005E	359.052	11
12	359.055	359.056	359.053	359.459	359.010	358.894	358.685	359.055	358.956	358.875	359.007E	359.054	12
13	359.055	359.056	359.054	359.392E	358.998	358.888	358.679	359.052	358.953	358.872	359.008E	359.055	13
14	359.055	359.056	359.054	359.331E	358.988	358.879	358.674	359.052	358.949	358.872	359.010E	359.052	14
15	359.055	359.057	359.052	359.286A	358.981	358.868	358.676	359.089	358.945	358.880	359.011E	359.050	15
16	359.054	359.057	359.051	359.273	358.974	358.854	358.677	359.078	358.940	358.886	359.012E	359.050	16
17	359.055	359.056	359.052	359.260	358.967	358.848	358.672	359.062	358.935	358.881	359.014E	359.046	17
18	359.055	359.055	359.052	359.232	358.960	358.838	358.668	359.079	358.932	358.878	359.015E	359.047	18
19	359.056	359.055	359.052	359.216	358.955	358.823	358.680	359.070	358.928	358.883	359.017E	359.042	19
20	359.056	359.056	359.051	359.184	358.945	358.813	358.685	359.085	358.924	358.883	359.018E	359.042	20
21	359.060	359.057	359.056	359.178	358.932	358.802	358.687	359.052	358.918	358.887	359.019E	359.041	21
22	359.060	359.057	359.058	359.153	358.928	358.801	358.695	359.045	358.915	358.891	359.021E	359.038	22
23	359.059	359.057	359.059	359.140	358.923	358.807	358.700	359.044	358.909	358.891	359.022E	359.038	23
24	359.059	359.058	359.072	359.126	358.914	358.804	358.707	359.044	358.908	358.898	359.024E	359.038	24
25	359.059	359.062	359.077	359.117	358.906	358.798	358.707	359.043	358.904	358.905	359.025E	359.034	25
26	359.056	359.056	359.061	359.102	358.903	358.798	358.704	359.042	358.900	358.906	359.028E	359.031	26
27	359.051	359.054	359.062	359.088	358.899	358.789	358.703	359.043	358.894	358.916	359.028E	359.028	27
28	359.051	359.063	359.062	359.089	358.907	358.783	358.702	359.042	358.898	358.920	359.029E	359.026	28
29	359.052		359.061	358.081	358.920	358.780	358.697	359.036	358.901	358.927	359.031E	359.027	29
30	359.052		359.060	359.060	358.935	358.773	358.691	359.037	358.901	358.929	359.033E	359.028	30
31	359.052		359.059		358.946		358.992	359.033		358.936		359.025	31
MEAN	359.055	359.057	359.070	359.250	358.979	358.881	358.715	359.064	358.948	358.890	359.004	359.041	MEAN
MAX	359.060	359.065	359.082	359.582	359.072	358.944	358.992	359.125	359.028	358.936	359.032	359.055	MAX
MIN	359.051	359.051	358.060	359.060	358.899	358.773	358.688	359.033	358.894	358.872	358.944	359.025	MIN

WATER LEVELS IN METRES

MEAN, 358.984
MAXIMUM DAILY, 359.582 ON APR 8
MINIMUM DAILY, 358.688 ON JUL 18
MAXIMUM INSTANTANEOUS
359.592 AT 02:06 CST ON APR 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 45 N
LONG 99 26 38 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1960

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO. 05UB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1878	1838	1788	2228	443	540	508	539	444	346	338	1558	1
2	1878	1838	1788	2278	463	554	509	540	480	349	331	1528	2
3	1878	1838	1788	2338	486	494	518	478	547	432	347	1508	3
4	1878	1828	1788	2388	482	474	548	508	517	402	289	1488	4
5	1878	1828	1788	2448	482	502	503	529	478	393	227	1478	5
6	1878	1828	1788	2558	477	502	494	523	504	301	241	1458	6
7	1878	1828	1788	2588	478	482	535	525	505	338	256	1428	7
8	1878	1818	1788	2648	503	505	527	539	502	321	232	1418	8
9	1878	1818	1788	2728	443	517	550	481	488	322	241	1408	9
10	1878	1818	1788	2808	444	534	518	485	447	352	303	1388	10
11	1868	1818	1788	2898	487	546	474	521	432	380	313	1368	11
12	1868	1818	1788	2988	497	522	487	511	452	378	294	1358	12
13	1868	1818	1788	3088	504	539	518	542	489	424	2808	1348	13
14	1858	1808	1788	3198	458	528	530	533	483	322	2398	1328	14
15	1858	1808	1788	3298	483	522	542	515	484	332	2308	1318	15
16	1858	1808	1788	3408	484	522	545	483	488	347	2218	1308	16
17	1858	1808	1808	3528	483	580	507	503	456	374	2138	1298	17
18	1848	1808	1818	3658	485	540	488	513	425	333	2058	1278	18
19	1848	1798	1838	3778	482	538	491	507	443	304	2018	1288	19
20	1848	1798	1848	3868	488	544	534	515	464	291	1948	1298	20
21	1848	1798	1858	414	402	517	532	504	486	315	1888	1258	21
22	1838	1798	1878	447	440	550	538	485	487	342	1828	1238	22
23	1838	1798	1898	431	474	540	519	487	427	338	1798	1238	23
24	1838	1798	1918	440	482	583	512	488	420	385	1758	1228	24
25	1838	1798	1958	441	487	527	526	495	445	486	1718	1218	25
26	1838	1798	1898	452	503	481	529	521	445	379	1688	1208	26
27	1838	1798	2038	431	491	508	537	518	452	287	1658	1198	27
28	1838	1798	2068	458	463	495	545	545	435	308	1628	1198	28
29	1838		2108	421	481	471	528	545	405	326	1608	1188	29
30	1838		2148	450	488	481	523	427	398	277	1578	1178	30
31	1838		2188		499		529	422		308		1188	31
TOTAL	5 734	5 053	5 777	10 241	14 753	15 587	15 149	15 588	13 827	10 840	6 882	6 087	TOTAL
MEAN	185	180	186	341	476	519	521	508	461	343	228	132	MEAN
MAX	187	183	218	456	504	583	550	545	547	455	347	155	MAX
MIN	183	179	178	222	402	454	474	422	398	277	157	116	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 341
MAXIMUM DAILY, 583 ON JUN 24
MINIMUM DAILY, 1188 ON DEC 31
MAXIMUM INSTANTANEOUS,
581 AT 19 00 CST ON JUN 24

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 38 N
LONG 97 35 27 W

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	495 000	JUL	1 400 000
FEB	437 000	AUG	1 360 000
MAR	498 000	SEP	1 190 000
APR	885 000	OCT	919 000
MAY	1 270 000	NOV	595 000
JUN	1 340 000	DEC	353 000

TOTAL DISCHARGE, 10 700 000 dam³

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 110	2 020	1 930	1 830	1 020	537	581	506	778	1 240	1 780	1 730	1
2	2 110	2 000	1 930	1 830	1 010	528	580	503	771	1 280	1 780	1 730	2
3	2 110	2 010	1 930	1 830	1 000	528	572	585	778	1 280	1 780	1 730	3
4	2 110	2 010	1 930	1 820	994	521	584	578	783	1 280	1 780	1 730	4
5	2 110	2 010	1 920	1 830	1 010	527	584	583	777	1 370	1 780	1 730	5
6	2 110	2 010	1 900	1 810	983	528	595	582	781	1 390	1 770	1 730	6
7	2 100	1 990	1 880	1 800	987	526	585	577	859	1 390	1 770	1 740	7
8	2 100	1 980	1 870	1 800	979	526	589	585	912	1 390	1 490	1 740	8
9	2 100	1 980	1 880	1 580	999	526	587	584	937	1 390	1 680	1 730	9
10	2 100	1 980	1 840	1 800	980	524	584	581	913	1 400	1 800	1 740	10
11	2 100	1 980	1 830	1 800	1 030	523	594	582	916	1 400	1 820	1 730	11
12	2 080	1 980	1 820	1 800	974	523	592	580	904	1 410	1 860	1 730	12
13	2 080	1 950	1 800	1 540	989	517	521	579	895	1 480	1 880	1 720	13
14	2 080	1 950	1 780	1 500	984	521	539	523	1 080	1 580	1 870	1 690	14
15	2 050	1 950	1 770	1 500	980	514	539	540	985	1 610	1 870	1 680	15
16	2 050	1 980	1 780	1 510	1 010	509	540	530	1 030	1 590	1 880	1 680	16
17	2 080	1 980	1 750	1 510	974	510	539	533	1 140	1 580	1 880	1 680	17
18	2 080	1 980	1 730	1 500	984	511	538	538	998	1 600	1 610	1 680	18
19	2 080	1 960	1 720	1 500	995	512	538	537	1 080	1 630	1 240	1 620	19
20	2 050	1 980	1 710	1 380	1 010	511	538	538	1 080	1 670	998	1 620	20
21	2 080	1 950	1 690	1 330	1 030	498	535	540	1 150	1 630	1 110	1 620	21
22	2 040	1 940	1 670	1 330	983	497	537	537	1 220	1 640	1 290	1 610	22
23	2 040	1 950	1 660	1 330	984	526	538	535	1 240	1 640	1 470	1 620	23
24	2 040	1 950	1 640	1 340	980	579	536	719	1 210	1 640	1 580	1 620	24
25	2 030	1 940	1 630	1 280	848	588	537	788	1 230	1 640	1 640	1 620	25
26	2 030	1 940	1 630	1 340	780	581	537	784	1 220	1 730	1 850	1 620	26
27	2 030	1 940	1 630	1 110	786	579	611	787	1 220	1 790	1 850	1 610	27
28	2 030	1 930	1 630	1 010	781	580	609	788	1 260	1 780	1 880	1 600	28
29	2 030		1 630	1 030	781	580	610	788	1 250	1 770	1 890	1 600	29
30	2 020		1 630	1 010	782	577	610	774	1 260	1 780	1 720	1 600	30
31	2 020		1 630		761		607	775		1 780		1 600	31
TOTAL	64 080	55 110	54 780	43 400	29 257	15 999	19 038	20 087	30 838	47 740	47 778	51 880	TOTAL
MEAN	2 070	1 970	1 770	1 450	944	533	614	647	1 020	1 540	1 590	1 670	MEAN
MAX	2 110	2 020	1 930	1 830	1 030	588	640	775	1 260	1 790	1 890	1 740	MAX
MIN	2 020	1 930	1 630	1 010	780	498	572	577	771	1 240	998	1 600	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 310
MAXIMUM DAILY, 2 110 ON JAN 1
MINIMUM DAILY, 498 ON JUN 21

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 29 53 N
LONG 98 02 53 W

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 540 000	JUL	1 840 000
FEB	4 780 000	AUG	1 730 000
MAR	4 730 000	SEP	2 550 000
APR	3 750 000	OCT	4 130 000
MAY	2 530 000	NOV	4 130 000
JUN	1 380 000	DEC	4 480 000

TOTAL DISCHARGE, 41 400 000 dam³

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 580B	2 470B	2 380B	2 020B	1 930	1 440	1 220	1 280	1 330	1 750	2 210	1 980B	1
2	2 570B	2 470B	2 360B	2 020B	1 890	1 370	1 220	1 260	1 330	1 750	2 180	1 980B	2
3	2 570B	2 480B	2 370B	2 030B	1 850	1 370	1 210	1 300	1 330	1 710	2 190	2 000B	3
4	2 560B	2 480B	2 370B	2 030B	1 810	1 340	1 190	1 250	1 370	1 740	2 190	2 010B	4
5	2 550B	2 450B	2 380B	2 040B	1 810	1 300	1 250	1 220	1 380	1 780	2 230	2 020B	5
6	2 580B	2 480B	2 350B	2 050B	1 810	1 300	1 260	1 240	1 370	1 780	2 220	2 020B	6
7	2 580B	2 480B	2 340B	2 080B	1 800	1 300	1 250	1 240	1 370	1 780	2 220	2 020B	7
8	2 550B	2 440B	2 330B	2 070B	1 730	1 280	1 250	1 240	1 400	1 800	2 230	2 020B	8
9	2 550B	2 440B	2 320B	2 080B	1 780	1 250	1 250	1 250	1 420	1 800	2 190	2 020B	9
10	2 540B	2 440B	2 300B	2 090B	1 740	1 230	1 280	1 240	1 440	1 740	2 180	2 020B	10
11	2 540B	2 440B	2 290B	2 100B	1 720	1 230	1 290	1 280	1 440	1 780	2 140	2 010B	11
12	2 530B	2 440B	2 280B	2 120B	1 700	1 240	1 290	1 250	1 440	1 800	2 140	2 000B	12
13	2 530B	2 430B	2 260B	2 130B	1 700	1 220	1 260	1 210	1 430	1 820	2 140	1 980B	13
14	2 530B	2 430B	2 250B	2 180	1 720	1 200	1 270	1 230	1 440	1 840	2 130	1 980B	14
15	2 520B	2 420B	2 240B	2 150	1 690	1 190	1 280	1 250	1 500	1 890	2 150	1 970B	15
16	2 520B	2 420B	2 220B	2 180	1 670	1 210	1 280	1 270	1 500	1 930	2 140	1 980B	16
17	2 520B	2 420B	2 210B	2 170	1 680	1 190	1 300	1 280	1 520	1 930	2 140	1 950B	17
18	2 520B	2 420B	2 200B	2 180	1 630	1 180	1 300	1 250	1 580	1 950	2 100	1 940B	18
19	2 510B	2 420B	2 180B	2 200	1 640	1 190	1 300	1 250	1 550	1 980	2 080	1 930B	19
20	2 510B	2 420B	2 180B	2 210	1 680	1 180	1 300	1 280	1 550	2 010	1 980	1 920B	20
21	2 510B	2 410B	2 150B	2 170	1 680	1 200	1 280	1 250	1 580	2 010	1 880	1 920B	21
22	2 500B	2 410B	2 140B	2 160	1 620	1 210	1 290	1 250	1 570	2 020	1 850	1 910B	22
23	2 500B	2 400B	2 120B	2 150	1 610	1 200	1 280	1 250	1 620	2 080	1 820B	1 900B	23
24	2 500B	2 400B	2 110B	2 140	1 610	1 210	1 300	1 240	1 840	2 030	1 820B	1 900B	24
25	2 500B	2 400B	2 080B	2 130	1 610	1 230	1 280	1 270	1 840	2 010	1 830B	1 890B	25
26	2 480B	2 400B	2 070B	2 110	1 570	1 240	1 280	1 280	1 880	2 080	1 880B	1 880B	26
27	2 480B	2 380B	2 060B	2 080	1 580	1 220	1 280	1 300	1 880	2 120	1 870B	1 880B	27
28	2 480B	2 380B	2 040B	2 020	1 580	1 220	1 280	1 310	1 700E	2 140	1 900B	1 870B	28
29	2 480B		2 030B	1 980	1 580	1 230	1 300	1 330	1 710A	2 180	1 920B	1 860B	29
30	2 480B		2 020B	1 940	1 500	1 220	1 300	1 340	1 730	2 180	1 940B	1 880B	30
31	2 480B		2 020B		1 500		1 300	1 340		2 180		1 880B	31
TOTAL	78 250	67 990	68 840	62 870	52 320	37 370	38 450	38 180	45 200	59 530	61 810	60 450	TOTAL
MEAN	2 520	2 430	2 210	2 100	1 690	1 250	1 270	1 260	1 510	1 920	2 060	1 950	MEAN
MAX	2 580	2 470	2 380	2 210	1 930	1 440	1 300	1 340	1 730	2 180	2 230	2 020	MAX
MIN	2 480	2 380	2 020	1 940	1 500	1 180	1 190	1 210	1 330	1 710	1 820	1 880	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 840
MAXIMUM DAILY, 2 580B ON JAN 1
MINIMUM DAILY, 1 180 ON JUN 18

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 000 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 780 000	JUL	3 410 000
FEB	5 870 000	AUG	3 280 000
MAR	5 930 000	SEP	3 910 000
APR	5 440 000	OCT	5 140 000
MAY	4 520 000	NOV	5 340 000
JUN	3 230 000	DEC	5 220 000

TOTAL DISCHARGE, 58 200 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 440	2 200	2 180	1 960	2 110	1 510	1 040	1 140	1 120	1 470	1 740	1 720	1
2	2 420	2 200	2 180	1 950	2 110	1 540	1 100	1 080	1 180	1 400	1 780	1 720	2
3	2 410	2 200	2 180	1 950	2 080	1 470	1 210	1 130	1 140	1 330	1 820	1 710	3
4	2 410	2 200	2 170	1 930	2 080	1 430	1 050	1 180	1 170	1 330	1 800	1 710	4
5	2 410	2 210	2 150	1 890	2 010	1 450	1 080	1 240	1 180	1 320	1 800	1 720	5
6	2 390	2 210	2 150	1 880	1 900	1 370	1 280	1 180	1 380	1 330	1 840	1 730	6
7	2 380	2 210	2 150	1 880	1 840	1 250	1 130	1 170	1 430	1 330	1 830	1 730	7
8	2 380	2 210	2 150	1 880	1 820	1 280	1 150	1 110	1 280	1 420	1 820	1 740	8
9	2 380	2 210	2 150	1 840	1 800	1 280	1 240	1 110	1 280	1 550	1 820	1 770	9
10	2 370	2 210	2 150	1 870	1 780	1 300	1 200	1 130	1 340	1 550	1 780	1 790	10
11	2 380	2 210	2 140	1 880	1 780	1 280	1 180	1 080	1 280	1 550	1 770	1 780	11
12	2 380	2 210	2 150	1 900	1 780	1 340	1 240	1 210	1 350	1 550	1 780	1 770	12
13	2 320	2 210	2 150	1 800	1 710	1 290	1 280	1 210	1 340	1 540	1 800	1 800	13
14	2 350	2 210	2 140	1 870	1 670	1 270	1 240	1 170	1 340	1 550	1 800	1 800	14
15	2 340	2 200	2 140	1 800	1 680	1 180	1 230	1 110	1 340	1 550	1 800	1 800	15
16	2 340	2 180	2 110	1 920	1 870	1 140	1 230	1 110	1 370	1 490	1 820	1 800	16
17	2 340	2 200	2 090	1 880	1 880	1 110	1 150	1 130	1 380	1 580	1 830	1 800	17
18	2 320	2 170	2 090	2 020	1 880	1 100	1 220	1 080	1 540	1 540	1 730	1 810	18
19	2 300	2 180	2 080	2 030	1 880	1 180	1 250	1 110	1 550	1 550	1 640	1 780	19
20	2 300	2 180	2 080	2 050	1 810	1 080	1 220	1 080	1 580	1 580	1 800	1 800	20
21	2 280	2 140	2 080	2 170	1 570	877	1 210	1 080	1 580	1 580	1 800	1 800	21
22	2 270	2 150	2 080	2 170	1 580	1 080	1 280	1 070	1 380	1 580	1 670	1 780	22
23	2 270	2 150	2 050	2 200	1 570	1 130	1 230	1 140	1 350	1 580	1 830	1 780	23
24	2 270	2 180	2 030	2 200	1 570	1 200	1 250	1 180	1 400	1 580	1 850	1 750	24
25	2 270	2 140	2 000	2 180	1 870	1 140	1 200	1 110	1 490	1 570	1 880	1 720	25
26	2 280	2 140	1 880	2 200	1 840	1 280	1 180	1 180	1 490	1 570	1 870	1 880	26
27	2 210	2 190	1 880	2 170	1 490	1 070	1 170	1 130	1 510	1 570	1 700	1 880	27
28	2 200	2 150	1 980	2 080	1 470	1 020	1 200	1 100	1 480	1 580	1 720	1 880	28
29	2 200		2 000	2 100	1 480	1 110	1 180	1 150	1 470	1 590	1 710	1 850	29
30	2 200		1 970	2 110	1 480	1 150	1 200	1 040	1 470	1 610	1 720	1 700	30
31	2 200		1 970		1 470		1 210	1 190		1 700		1 720	31
TOTAL	71 980	61 140	64 920	60 040	53 070	36 817	38 840	35 110	41 370	46 920	52 380	54 180	TOTAL
MEAN	2 320	2 180	2 090	2 000	1 710	1 230	1 190	1 130	1 380	1 510	1 750	1 750	MEAN
MAX	2 440	2 210	2 180	2 200	2 110	1 540	1 280	1 240	1 540	1 700	1 840	1 810	MAX
MIN	2 200	2 140	1 970	1 840	1 470	877	1 040	1 040	1 120	1 320	1 800	1 650	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 680
MAXIMUM DAILY, 2 440 ON JAN 1
MINIMUM DAILY, 877 ON JUN 21

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 20 N
LONG 96 31 30 W
DRAINAGE AREA, 1 010 000 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 220 000	JUL	3 190 000
FEB	5 280 000	AUG	3 030 000
MAR	5 810 000	SEP	3 570 000
APR	5 190 000	OCT	4 080 000
MAY	4 590 000	NOV	4 520 000
JUN	3 190 000	DEC	4 880 000

TOTAL DISCHARGE, 53 100 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

NELSON RIVER AT KETTLE GENERATING STATION - STATION NO 05UF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3 910	2 520	3 470	3 340	3 700	3 230	1 780	1 840	2 100	3 000	1 520	3 240	1
2	4 050	3 450	3 770	3 030	3 940	2 930	2 530	1 480	2 470	2 970	2 180	3 170	2
3	4 110	3 640	3 610	2 740	4 010	2 890	2 910	1 670	2 520	2 380	2 530	3 200	3
4	3 900	3 770	3 080	2 100	3 670	2 650	2 290	1 630	2 500	1 950	2 840	3 280	4
5	3 850	3 580	3 010	1 480	3 790	3 230	2 840	1 530	2 480	3 130	2 770	2 700	5
6	3 850	3 850	2 800	2 980	3 890	3 010	3 280	1 780	2 050	3 000	2 930	2 070	6
7	3 740	2 400	2 520	3 110	3 680	2 170	2 830	2 380	2 050	3 000	2 710	2 670	7
8	3 770	2 940	2 820	3 420	3 540	2 820	2 560	1 610	2 570	3 110	2 230	2 280	8
9	3 950	3 510	3 350	3 410	3 410	2 280	2 590	1 480	2 480	2 950	3 030	2 820	9
10	3 920	3 190	3 520	3 430	3 020	2 230	2 920	2 450	2 250	1 770	3 090	3 070	10
11	3 470	3 380	3 810	3 410	3 670	2 820	1 770	2 670	2 350	987	2 490	3 180	11
12	3 290	3 320	3 720	3 410	3 780	3 170	1 070	2 080	1 400	1 240	2 880	2 980	12
13	2 820	3 580	3 880	3 180	3 710	2 880	1 890	1 950	1 150	1 720	3 070	2 670	13
14	3 300	3 540	3 840	3 180	3 470	2 110	1 950	2 580	2 370	1 530	2 200	3 580	14
15	3 940	3 810	3 440	3 170	3 380	2 850	2 780	2 770	2 880	1 820	2 280	3 300	15
16	3 910	3 880	3 340	3 180	2 750	2 950	3 030	1 550	2 470	2 470	3 100	3 830	16
17	3 480	3 610	3 480	2 470	2 880	2 720	3 150	2 500	2 150	2 180	2 820	3 820	17
18	3 680	3 880	3 480	2 100	3 000	2 560	2 220	1 870	2 320	1 880	2 700	3 280	18
19	3 920	3 330	3 520	2 420	3 340	2 890	2 380	2 080	2 150	2 970	3 000	2 990	19
20	3 830	3 380	3 220	3 320	3 170	1 850	3 050	2 530	1 880	3 060	3 380	2 590	20
21	3 580	3 570	2 650	3 340	3 280	1 400	2 950	2 990	2 830	3 320	2 880	3 140	21
22	3 850	3 250	3 100	3 270	2 840	3 010	3 110	2 280	2 940	3 270	2 180	3 100	22
23	4 180	3 580	3 490	3 280	1 730	2 850	2 970	1 010	2 580	3 020	2 880	3 290	23
24	4 180	3 590	3 740	3 400	893	2 320	3 000	2 080	2 730	2 120	3 130	2 840	24
25	3 880	3 760	3 680	3 030	1 540	1 820	2 400	2 490	2 740	1 830	2 870	2 230	25
26	3 300	3 770	3 830	3 280	2 880	1 370	1 850	2 410	2 700	2 880	2 380	1 920	26
27	3 470	3 780	4 040	3 320	3 080	1 300	2 970	2 350	2 190	2 900	2 850	1 880	27
28	3 380	3 450	3 840	3 850	3 080	1 010	2 800	2 480	3 190	2 550	2 380	2 580	28
29	3 390		3 310	4 080	3 110	1 720	2 800	2 200	2 970	2 570	2 490	3 100	29
30	3 390		3 370	3 870	2 510	2 020	2 870	1 890	2 880	2 870	3 490	3 250	30
31	2 700		3 180		1 730		2 880	2 810		1 750		3 200	31
TOTAL	113 380	96 480	105 480	93 710	96 023	72 840	80 180	65 180	72 090	75 507	80 750	90 480	TOTAL
MEAN	3 680	3 450	3 400	3 120	3 100	2 420	2 590	2 100	2 400	2 440	2 690	2 920	MEAN
MAX	4 180	3 780	4 040	4 080	4 010	3 230	3 280	2 980	3 190	3 320	3 490	3 580	MAX
MIN	2 700	2 400	2 520	1 480	893	1 010	1 070	1 010	1 150	987	1 520	1 920	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 850
MAXIMUM DAILY, 4 180 ON JAN 24
MINIMUM DAILY, 893 ON MAY 24

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 22 49 N
LONG 94 38 02 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 800 000	JUL	6 930 000
FEB	8 340 000	AUG	5 630 000
MAR	9 110 000	SEP	6 230 000
APR	8 100 000	OCT	6 520 000
MAY	8 300 000	NOV	6 980 000
JUN	6 280 000	DEC	7 820 000

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1970

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

TOTAL DISCHARGE, 80 000 000 dam³

NELSON RIVER AT LONG SPRUCE GENERATING STATION - STATION NO 05UF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3 930	2 480	3 510	3 340	3 770	3 170	1 710	2 040	2 140	3 030	1 520	3 300	1
2	4 120	3 480	3 880	3 070	4 240	2 870	2 480	1 410	2 450	3 020	2 180	3 250	2
3	4 170	3 720	3 870	2 710	4 250	2 910	2 980	1 670	2 520	2 370	2 500	3 180	3
4	3 850	3 810	3 170	2 130	3 700	2 810	2 290	1 570	2 540	2 010	2 880	3 320	4
5	3 690	3 940	3 070	1 490	3 840	3 280	2 630	1 550	2 700	3 120	2 740	2 700	5
6	3 650	3 880	2 870	2 910	3 820	3 070	3 280	1 800	2 140	3 010	2 930	2 100	6
7	3 740	2 470	2 510	3 140	3 770	2 270	2 870	2 420	1 880	3 080	2 820	2 880	7
8	3 780	2 950	2 880	3 270	3 880	2 880	2 810	1 670	2 580	3 120	3 180	2 280	8
9	4 000	3 550	3 370	3 470	3 540	2 300	2 580	1 280	2 510	3 000	3 080	2 800	9
10	3 980	3 280	3 580	3 450	2 970	2 230	2 950	2 480	2 310	1 780	3 100	3 040	10
11	3 550	3 340	3 680	3 420	3 880	3 000	1 850	2 670	2 400	1 020	2 470	3 180	11
12	3 210	3 450	3 740	3 420	3 850	3 380	1 070	2 030	1 610	1 180	2 880	3 020	12
13	2 900	3 680	3 940	3 280	3 900	2 870	1 650	1 940	880	1 770	3 080	2 630	13
14	3 230	3 650	3 990	3 210	3 540	2 180	1 870	2 630	2 480	1 530	2 210	3 610	14
15	4 050	3 880	3 480	3 210	3 480	3 000	2 780	2 830	2 850	1 780	2 270	3 310	15
16	3 950	3 880	3 340	3 170	2 880	2 880	3 080	1 380	2 500	2 510	3 130	3 510	16
17	3 480	3 730	3 520	2 500	2 680	2 610	3 180	2 520	2 220	2 170	2 580	3 580	17
18	3 880	3 880	3 440	2 080	3 110	2 800	2 420	1 440	2 320	1 820	2 780	3 310	18
19	4 000	3 410	3 600	2 490	3 380	2 870	2 180	2 080	2 130	3 080	2 920	2 900	19
20	3 910	3 480	3 200	3 330	3 280	1 820	3 110	2 520	1 810	3 070	3 380	2 550	20
21	3 590	3 710	2 610	3 410	3 480	1 420	2 870	3 080	2 750	3 370	2 820	3 140	21
22	3 910	3 140	3 080	3 340	2 940	3 100	3 170	2 430	2 840	3 320	2 280	3 130	22
23	4 280	3 770	3 540	3 240	1 880	2 710	3 030	842	2 590	3 100	2 820	3 300	23
24	4 280	3 730	3 780	3 480	882	2 380	3 040	2 090	2 880	2 080	3 170	304	24
25	3 730	3 740	3 750	3 080	1 550	1 870	2 800	2 520	2 800	1 820	2 880	2 280	25
26	3 370	3 910	3 740	3 370	3 070	1 400	1 800	2 330	2 670	2 890	2 380	1 880	26
27	3 480	3 900	4 080	3 370	3 000	1 310	2 880	2 380	2 200	2 940	2 800	1 870	27
28	3 440	3 490	3 850	4 280	3 200	949	2 800	2 480	3 190	2 530	2 400	2 580	28
29	3 370		3 380	4 130	3 150	1 720	2 890	2 480	2 870	2 810	2 440	3 040	29
30	3 430		3 380	4 070	2 520	2 020	3 100	1 890	2 880	2 700	3 520	3 300	30
31	2 720		3 180		1 730		2 840	2 840		1 790		3 220	31
TOTAL	114 550	98 380	108 810	95 010	98 882	73 699	80 730	65 292	72 670	75 180	80 870	88 144	TOTAL
MEAN	3 700	3 510	3 480	3 170	3 190	2 480	2 800	2 110	2 420	2 480	2 890	2 840	MEAN
MAX	4 280	3 910	4 080	4 280	4 250	3 380	3 280	3 080	3 190	3 370	3 520	3 610	MAX
MIN	2 720	2 480	2 510	1 490	882	949	1 070	842	880	1 020	1 520	304	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 880
MAXIMUM DAILY, 4 280 ON JAN 23
MINIMUM DAILY, 304 ON DEC 24

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 23 51 N
LONG 94 22 10 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 900 000	JUL	8 980 000
FEB	8 500 000	AUG	8 840 000
MAR	9 230 000	SEP	8 280 000
APR	8 210 000	OCT	8 580 000
MAY	8 540 000	NOV	8 980 000
JUN	8 370 000	DEC	7 820 000

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1977

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

TOTAL DISCHARGE, 90 800 000 dam³

NELSON RIVER AT NORWAY HOUSE - STATION NO. 05UB001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.977	216.972	217.004	217.101	217.388	217.611	217.538	217.611	217.390	217.183	217.144	216.935	1
2	216.983	216.967	217.011	217.115	217.435	217.643	217.542	217.611	217.475	217.171	217.128	216.925	2
3	216.990	216.967	217.008	217.131	217.485	217.415	217.566	217.483	217.829	217.362	217.166	216.899	3
4	216.981	216.976	217.010	217.132	217.501	217.460	217.627	217.537	217.580	217.294	217.028	216.898	4
5	216.992	216.987	217.018	217.150	217.478	217.525	217.527	217.587	217.485	217.041	216.883	216.909	5
6	216.981	216.985	217.008	217.150	217.487	217.525	217.505	217.573	217.528	217.083	216.917	216.930	6
7	216.982	216.982	217.004	217.188	217.483	217.478	217.801	217.577	217.531	217.145	216.952	216.917	7
8	216.988	216.976	217.004	217.179	217.527	217.531	217.581	217.610	217.524	217.107	216.898	216.926	8
9	216.981	216.992	217.009	217.181	217.388	217.559	217.634	217.498	217.494	217.108	216.916	216.882	9
10	216.976	216.982	217.017	217.141	217.382	217.598	217.581	217.485	217.387	217.177	217.084	216.876	10
11	216.989	216.985	217.021	217.184	217.444	217.626	217.481	217.588	217.383	217.197	217.087	216.840	11
12	216.984	216.971	217.018	217.211	217.512	217.569	217.513	217.545	217.409	217.238	217.041	216.788	12
13	216.983	216.981	217.022	217.245	217.528	217.610	217.563	217.616	217.444	217.344	216.951	216.795	13
14	216.979	216.981	217.021	217.254	217.424	217.587	217.590	217.595	217.479	217.107	217.015	216.827	14
15	216.971	216.974	217.027	217.289	217.481	217.570	217.617	217.595	217.438	217.132	217.092	216.832	15
16	216.975	216.981	217.038	217.281	217.482	217.570	217.623	217.480	217.447	217.188	217.001	216.828	16
17	216.986	216.984	217.039	217.307	217.434	217.688	217.535	217.527	217.416	217.229	216.987	216.830	17
18	216.973	216.986	217.046	217.319	217.486	217.612	217.492	217.549	217.348	217.135	216.991	216.834	18
19	216.986	216.989	217.053	217.288	217.500	217.603	217.489	217.537	217.387	217.085	216.821	216.831	19
20	216.971	216.996	217.063	217.261	217.488	217.620	217.569	217.563	217.390	217.035	216.785	216.838	20
21	216.972	216.991	217.068	217.321	217.293	217.559	217.583	217.529	217.440	217.091	216.951	216.834	21
22	216.959	216.988	217.068	217.398	217.382	217.635	217.604	217.417	217.401	217.154	216.971	216.831	22
23	216.959	216.984	217.073	217.380	217.459	217.613	217.584	217.443	217.353	217.148	216.902	216.823	23
24	216.958	216.978	217.077	217.380	217.502	217.665	217.547	217.492	217.335	217.284	216.941	216.821	24
25	216.983	216.974	217.082	217.384	217.512	217.582	217.578	217.508	217.392	217.416	216.993	216.821	25
26	216.978	216.973	217.092	217.408	217.526	217.476	217.587	217.588	217.394	217.240	217.005	216.823	26
27	216.981	216.983	217.081	217.351	217.491	217.538	217.605	217.580	217.410	217.025	216.986	216.815	27
28	216.980	216.985	217.080	217.422	217.412	217.508	217.624	217.624	217.389	217.070	217.015	216.811	28
29	216.981		217.091	217.338	217.498	217.463	217.586	217.624	217.301	217.118	216.976	216.798	29
30	216.974		217.100	217.406	217.493	217.498	217.573	217.352	217.283	217.001	216.944	216.798E	30
31	216.972		217.104		217.518		217.586	217.339		217.074		216.787E	31
MEAN	216.977	216.980	217.044	217.261	217.464	217.583	217.586	217.534	217.430	217.157	216.984	216.846	MEAN
MAX	216.993	216.996	217.104	217.422	217.526	217.688	217.634	217.624	217.829	217.416	217.166	216.935	MAX
MIN	216.958	216.951	217.004	217.101	217.292	217.415	217.481	217.339	217.283	217.001	216.785	216.788	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN, 217.235
MAXIMUM DAILY, 217.885 ON JUN 24
MINIMUM DAILY, 216.785 ON NOV 20
MAXIMUM INSTANTANEOUS,
217.704 AT 19:00 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 43 00 W

E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

NELSON RIVER AT WARREN LANDING - STATION NO. 05UB003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.404	---	---	217.421	217.580	217.705	---	---	---	217.198	---	---	1
2	217.408	---	---	217.432	217.582	217.803	---	---	---	217.538	---	---	2
3	217.384	---	---	217.442	217.622	217.513	---	---	---	217.591	---	---	3
4	217.398	---	---	217.424	217.639	217.632	---	---	---	217.377	---	---	4
5	217.387	---	---	217.445	217.647	217.688	---	---	---	217.188	---	---	5
6	217.388	---	---	217.436	217.598	217.842	---	---	---	217.383	---	---	6
7	217.381	---	---	217.448	217.593	217.838	---	---	---	217.455	---	---	7
8	217.387	---	---	217.447	217.682	217.887	---	---	---	217.318	---	---	8
9	217.373	---	---	217.417	217.638	217.888	---	---	---	217.328	---	---	9
10	217.409	---	---	217.428	217.683	217.716	---	---	---	217.452	---	---	10
11	217.402	---	---	217.468	217.580	217.705	---	---	---	217.403	---	---	11
12	217.380	---	---	217.502	217.673	217.679	---	---	---	217.487	---	---	12
13	217.388	---	---	217.516	217.630	217.711	---	---	---	217.416	---	---	13
14	217.374	---	---	217.524	217.588	217.681A	---	---	---	217.283	---	---	14
15	217.378	---	---	217.533	217.647	---	---	---	---	217.381	---	---	15
16	217.385	---	---	217.535	217.583	---	---	---	---	217.389	---	---	16
17	217.385	---	---	217.531	217.571	---	---	---	---	217.412	---	---	17
18	217.382	---	---	217.521	217.602	---	---	---	217.574A	217.285	---	---	18
19	217.364	---	---	217.505	217.607	---	---	---	217.535	217.261	---	---	19
20	217.386	---	---	217.491	217.495	---	---	---	217.578	217.286	---	---	20
21	217.361	---	---	217.536	217.445	---	---	---	217.540	217.381	---	---	21
22	217.340A	---	---	217.555	217.574	---	---	---	217.616	217.378	---	---	22
23	---	---	217.393A	217.543	217.608	---	---	---	217.589	217.345	---	---	23
24	---	---	217.407	217.586	217.620	---	---	---	217.661	217.414A	---	---	24
25	---	---	217.401	217.555	217.621	---	---	---	217.520	---	---	---	25
26	---	---	217.410	217.550	217.625	---	---	---	217.580	---	---	---	26
27	---	---	217.400	217.531	217.589	---	---	---	217.579	---	---	---	27
28	---	---	217.411	217.583	217.581	---	---	---	217.545	---	---	---	28
29	---		217.405	217.510	217.680	---	---	---	217.508	---	---	---	29
30	---		217.417	217.583	217.640	---	---	---	217.393	---	---	---	30
31	---		217.412		217.678		---	---	217.611	---	---	---	31
MEAN	---	---	---	217.498	217.601	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	217.583	217.678	---	---	---	---	---	---	---	MAX
MIN	---	---	---	217.417	217.445	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 51 N
LONG 97 52 15 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

NETLEY CREEK NEAR MATLOCK - STATION NO. 05QJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	0 B	0.140	0.010	0	---	---	---	---	---	1
2	---	---	0.8	0 B	0.125	0.007	0	---	---	---	---	---	2
3	---	---	0.8	0.0188	0.116	0.003	0A	---	---	---	---	---	3
4	---	---	0.8	0.2308	0.103	0.006	---	---	---	---	---	---	4
5	---	---	0.8	1.08 B	0.098	0.004	---	---	---	---	---	---	5
6	---	---	0.8	3.85 B	0.091	0.003	---	---	---	---	---	---	6
7	---	---	0.8	3.04 B	0.085	0.001	---	---	---	---	---	---	7
8	---	---	0.8	2.92 B	0.080	0	---	---	---	---	---	---	8
9	---	---	0.8	2.50 B	0.074	0	---	---	---	---	---	---	9
10	---	---	0.8	2.22	0.089	0.003	---	---	---	---	---	---	10
11	---	---	0.8	1.92	0.085	0.007	---	---	---	---	---	---	11
12	---	---	0.8	1.83	0.082	0.003	---	---	---	---	---	---	12
13	---	---	0.8	1.38	0.058	0	---	---	---	---	---	---	13
14	---	---	0.8	1.18	0.058	0	---	---	---	---	---	---	14
15	---	---	0.8	1.09	0.053	0	---	---	---	---	---	---	15
16	---	---	0.8	0.951	0.049	0	---	---	---	---	---	---	16
17	---	---	0.8	0.848	0.047	0	---	---	---	---	---	---	17
18	---	---	0.8	0.792	0.044	0	---	---	---	---	---	---	18
19	---	---	0.8	0.650	0.042	0	---	---	---	---	---	---	19
20	---	---	0.8	0.565	0.041	0	---	---	---	---	---	---	20
21	---	---	0.8	0.518	0.038	0	---	---	---	---	---	---	21
22	---	---	0.8	0.459	0.035	0	---	---	---	---	---	---	22
23	---	---	0.8	0.400	0.034	0	---	---	---	---	---	---	23
24	---	---	0.8	0.344	0.032	0	---	---	---	---	---	---	24
25	---	---	0.8	0.295	0.030	0	---	---	---	---	---	---	25
26	---	---	0.8	0.260	0.028	0	---	---	---	---	---	---	26
27	---	---	0.8	0.224	0.024	0	---	---	---	---	---	---	27
28	---	---	0.8	0.194	0.167	0	---	---	---	---	---	---	28
29	---		0.8	0.173	0.083	0	---	---	---	---	---	---	29
30	---		0.8	0.151	0.014	0	---	---	---	---	---	---	30
31	---		0.8		0.006		---	---	---	---	---	---	31
TOTAL	---	---	0	29.882	1.873	0.047	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.988	0.084	0.002	---	---	---	---	---	---	MEAN
MAX	---	---	0	3.85	0.167	0.010	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0.006	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.260
MAXIMUM DAILY, 3.858 ON APR 8
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.078 AT 18 00 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 52 N
LONG 97 09 56 W
DRAINAGE AREA, 245 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	2 580	OCT	---
MAY	170	NOV	---
JUN	4 05	DEC	---

TOTAL DISCHARGE, 2 730 dam³

NETLEY CREEK NEAR PETERSFIELD - STATION NO. 05QJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	0 B	0.300	0.101	0.087	0.089	0.080	0.091	0.092	---	1
2	---	---	0.8	0 B	0.275	0.089	0.082	0.088	0.084	0.094	0.093A	---	2
3	---	---	0.8	0.0148	0.258	0.074	0.048	0.062	0.085	0.098	---	---	3
4	---	---	0.8	0.2408	0.247	0.073	0.080	0.062	0.087	0.095	---	---	4
5	---	---	0.8	0.8578	0.237	0.068	0.065	0.084	0.088	0.094	---	---	5
6	---	---	0.8	3.29 B	0.227	0.073	0.083	0.074	0.085	0.100	---	---	6
7	---	---	0.8	16.1 B	0.216	0.073	0.048	0.071	0.083	0.104	---	---	7
8	---	---	0.8	26.7 B	0.208	0.073	0.038	0.071	0.088	0.111	---	---	8
9	---	---	0.8	21.7	0.198	0.072	0.037	0.085	0.087	0.114	---	---	9
10	---	---	0.8	14.7	0.188	0.073	0.048	0.089	0.083	0.104	---	---	10
11	---	---	0.8	8.18	0.178	0.079	0.048	0.078	0.086	0.103	---	---	11
12	---	---	0.8	5.43	0.170	0.072	0.043	0.077	0.085	0.098	---	---	12
13	---	---	0.8	4.80	0.168	0.070	0.036	0.078	0.084	0.099	---	---	13
14	---	---	0.8	3.88	0.161	0.071	0.037	0.201	0.081	0.104	---	---	14
15	---	---	0.8	3.50	0.154	0.087	0.037	1.29	0.086	0.099	---	---	15
16	---	---	0.8	1.94	0.147	0.083	0.041	1.21	0.091	0.085	---	---	16
17	---	---	0.8	1.66	0.140	0.088	0.038	0.878	0.088	0.090	---	---	17
18	---	---	0.8	1.38	0.132	0.077	0.039	0.401	0.090	0.088	---	---	18
19	---	---	0.8	1.20	0.126	0.082	0.085	0.237	0.085	0.087	---	---	19
20	---	---	0.8	1.04	0.120	0.083	0.048	0.145	0.085	0.088	---	---	20
21	---	---	0.8	0.900	0.118	0.082	0.038	0.092	0.091	0.077	---	---	21
22	---	---	0.8	0.792	0.113	0.084	0.037	0.088	0.095	0.087	---	---	22
23	---	---	0.8	0.892	0.114	0.077	0.034	0.085	0.085	0.088	---	---	23
24	---	---	0.8	0.598	0.117	0.068	0.030	0.083	0.085	0.143	---	---	24
25	---	---	0.8	0.527	0.110	0.088	0.030	0.082	0.095	0.109	---	---	25
26	---	---	0.8	0.482	0.113	0.085	0.038	0.087	0.085	0.119	---	---	26
27	---	---	0.8	0.439	0.108	0.086	0.046	0.086	0.082	0.113	---	---	27
28	---	---	0.8	0.388	0.102	0.085	0.052	0.088	0.073	0.088	---	---	28
29	---		0.8	0.354	0.108	0.084	0.049	0.082	0.082	0.090	---	---	29
30	---		0.8	0.328	0.116	0.082	0.052	0.080	0.089	0.091	---	---	30
31	---		0.8		0.107		0.080	0.078		0.091		---	31
TOTAL	---	---	0	120.720	5.082	2.183	1.417	5.892	2.603	3.081	---	---	TOTAL
MEAN	---	---	0	4.02	0.164	0.072	0.046	0.193	0.087	0.099	---	---	MEAN
MAX	---	---	0	26.7	0.300	0.101	0.080	1.29	0.095	0.143	---	---	MAX
MIN	---	---	0	0	0.102	0.052	0.030	0.059	0.073	0.077	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.576
MAXIMUM DAILY, 26.78 ON APR 8
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
32 08 AT 11 02 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 38 N
LONG 97 02 39 W
DRAINAGE AREA, 589 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	122
FEB	---	AUG	518
MAR	0	SEP	225
APR	10 400	OCT	264
MAY	439	NOV	---
JUN	187	DEC	---

TOTAL DISCHARGE, 12 200 dam³

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.388	256.316	256.243	256.185	256.182	256.118	256.007	255.982	255.838	255.678	255.897	255.789	1
2	256.388	256.313	256.239	256.181	256.180	256.238	256.028	255.967	255.784	255.686	255.781	255.789	2
3	256.388	256.307	256.241	256.181	256.124	256.149	256.072	256.011	255.820	255.749	255.715	255.767	3
4	256.388	256.302	256.238	256.180	256.142	256.112	256.051	255.911	255.870	255.783	255.835	255.780	4
5	256.388	256.300	256.237	256.178	256.179	256.096	256.050	255.929	255.806	255.818	255.781	255.781	5
6	256.383	256.300	256.235	256.181	256.169	256.092	256.006	255.958	255.811	255.759	255.730	255.782	6
7	256.378	256.299	256.230	256.175	256.140	256.108	256.043	255.938	255.804	255.758	255.730	255.785	7
8	256.376	256.280	256.219	256.177	256.176	256.083	255.999	255.948	255.827	255.772	255.728	255.785	8
9	256.373	256.291	256.215	256.180	256.190	256.075	255.896	255.940	255.824	255.770	255.725	255.787	9
10	256.388	256.290	256.215	256.172	256.184	256.048	256.079	255.893	255.841	255.713	255.723	255.771	10
11	256.387	256.284	256.214	256.170	256.158	256.082	256.010	255.878	255.823	255.762	255.728	255.771	11
12	256.387	256.279	256.208	256.169	256.158	256.070	256.003	255.926A	255.803	255.728	255.723	255.773	12
13	256.385	256.280	256.209	256.169	256.224	256.068	256.008	---	255.790	255.823	255.726	255.773	13
14	256.386	256.278	256.208	256.169	256.175	256.078	256.003	---	255.788	255.770	255.731	255.778	14
15	256.382	256.279	256.208	256.171	256.172	256.085	256.974	---	255.792	255.729	255.734	255.777	15
16	256.369	256.278	256.208	256.173	256.198	256.011	256.014	---	255.778	255.730	255.734	255.780	16
17	256.369	256.273	256.208	256.174	256.134	256.070	256.019	---	255.814	255.734	255.734	255.780E	17
18	256.365	256.274	256.205	256.176	256.093	256.058	255.990	---	255.814	255.780	255.737	255.781E	18
19	256.364	256.270	256.205	256.175	256.140	256.034	255.967	---	255.788	255.787	255.739	255.781E	19
20	256.362	256.270	256.208	256.173	256.223	256.050	255.998	---	255.788	255.748	255.741	255.782E	20
21	256.364	256.268	256.212	256.177	256.127	256.026	255.995	---	255.782	255.687	255.743	255.782E	21
22	256.333	256.264	256.213	256.178	256.089	256.056	255.991	---	255.784	255.701	255.743	255.782E	22
23	256.330	256.262	256.212	256.178	256.104	256.055	256.004	---	255.802	255.742	255.744	255.783E	23
24	256.328	256.252	256.208	256.179	256.122	256.049	255.980	---	255.787	255.844	255.747	255.783E	24
25	256.324	256.252	256.205	256.178	256.081	256.111	255.980	255.852A	255.783	255.701	255.748	255.783E	25
26	256.325	256.252	256.201	256.175	256.108	256.038	255.969	255.847	255.784	255.778	255.749	255.784	26
27	256.326	256.245	256.197	256.174	256.107	256.039	255.944	255.834	255.782	255.758	255.748	255.783	27
28	256.323	256.244	256.194	256.196	256.137	256.052	255.978	255.835	255.787	255.713	255.752	255.784	28
29	256.325		256.192	256.188	256.153	256.032	255.975	255.895	255.787	255.784	255.755	255.787	29
30	256.321		256.190	256.184	256.112	256.008	255.950	255.913	255.887	255.714	255.758	255.792	30
31	256.320		256.190		256.108		255.956	255.830		255.732		255.790A	31
MEAN	256.353	256.279	256.213	256.178	256.145	256.073	255.989	---	255.797	255.749	255.740	255.775	MEAN
MAX	256.388	256.316	256.243	256.196	256.224	256.238	256.078	---	255.870	255.878	255.835	255.792	MAX
MIN	256.320	256.244	256.190	256.164	256.081	256.008	255.944	---	255.887	255.644	255.887	255.757	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 256.388 ON JAN 1
MINIMUM DAILY, 255.644 ON OCT 24
MAXIMUM INSTANTANEOUS,
256.420 AT 21:47 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1984

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NORTH PINE RIVER NEAR PINE RIVER - STATION NO. 05LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1408	0.4808	1.52	1.84	1.08 E	0.845	0.178	0.474	0.931	---	1
2	---	---	0.1408	0.5108	1.44	2.16	1.13 E	0.518	0.178	0.383	0.988	---	2
3	---	---	0.1838	1.50 B	1.36	2.36	1.08 E	0.435	0.200	0.301	---	---	3
4	---	---	0.2008	1.92 B	1.36	2.16	3.50 E	0.386	0.187	0.288	---	---	4
5	---	---	0.2708	2.50 B	1.32	1.84	3.86 E	0.367	0.198	0.420	---	---	5
6	---	---	0.3308	2.78 B	1.31	1.52	4.30 E	0.519	0.208	0.847	---	---	6
7	---	---	0.4188	3.04 B	1.14	1.35	3.90 E	0.530	0.228	0.595	---	---	7
8	---	---	0.4708	4.87 B	1.07	1.29	3.50 E	0.471	0.252	0.842	---	---	8
9	---	---	0.4958	5.81	1.03	1.09	2.25 E	0.611	0.270	1.03	---	---	9
10	---	---	0.5108	5.00 A	1.02	0.954	2.12 E	0.382	0.284	0.887	---	---	10
11	---	---	0.6288	4.20 E	1.02	0.889	2.10 E	0.620	0.272	0.928	---	---	11
12	---	---	0.6858	3.48 A	0.987	0.856	1.72 E	0.887	0.248	0.892	---	---	12
13	---	---	0.6208	3.03	0.932	0.728	1.85 E	0.502	0.223	1.18	---	---	13
14	---	---	0.5808	2.78	0.873	0.685	1.93 E	0.406	0.202	1.83	---	---	14
15	---	---	0.5458	2.86	0.884	0.650	3.50 E	0.450	0.218	1.55	---	---	15
16	---	---	0.5208	3.15	0.788	0.621	3.52 E	0.515	0.215	1.50	---	---	16
17	---	---	0.4908	3.10	0.781	1.28	2.75 E	0.458	0.882	1.46	---	---	17
18	---	---	0.4808	3.12	0.724	1.50	2.78 E	0.429	1.49	1.43	---	---	18
19	---	---	0.5008	3.15	0.772	1.17	4.20 E	0.451	1.12	1.29	---	---	19
20	---	---	0.5758	3.11	0.803	0.922	3.30 E	0.391	0.894	1.19	---	---	20
21	---	---	0.6058	2.85	0.778	0.701	2.80 E	0.348	0.723	1.07	---	---	21
22	---	---	0.6108	2.89	0.706	0.735	1.80 A	0.380	0.682	1.01	---	---	22
23	---	---	0.7158	2.54	0.688	0.985	1.78	0.324	0.543	0.905	---	---	23
24	---	---	1.02 B	2.40	0.844	1.06	1.91	0.285	0.471	0.738	---	---	24
25	---	---	0.8708	2.43	0.802	0.903	1.82	0.250	0.407	0.887	---	---	25
26	---	---	0.9208	2.23	0.813	0.785A	1.25	0.240	0.382	1.05	---	---	26
27	---	---	0.8408	2.04	0.832	0.820E	0.887	0.220	0.321	1.12	---	---	27
28	---	---	0.7558	1.90	1.80	0.510E	0.767	0.212	0.304	1.05	---	---	28
29	---		0.6058	1.77	2.88	0.400E	0.585	0.201	0.280	1.02	---	---	29
30	---		0.7158	1.81	2.23	0.520E	0.490	0.189	0.445	1.02	---	---	30
31	---		0.9008		1.83		0.557	0.177		0.979		---	31
TOTAL	---	---	17.228	82.820	34.633	33.055	88.838	12.356	12.458	29.754	---	---	TOTAL
MEAN	---	---	0.556	2.76	1.12	1.10	2.22	0.399	0.415	0.960	---	---	MEAN
MAX	---	---	1.02	5.81	2.88	2.36	4.30	0.887	1.49	1.83	---	---	MAX
MIN	---	---	0.140	0.480	0.802	0.400	0.490	0.177	0.178	0.288	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 1.19
MAXIMUM DAILY, 5.81 ON APR 5
MINIMUM DAILY, 0.1408 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.89 AT 03:27 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 950
FEB	---	AUG	1 070
MAR	1 490	SEP	1 080
APR	7 180	OCT	2 570
MAY	2 980	NOV	---
JUN	2 850	DEC	---

TOTAL DISCHARGE, 25 200 dam³

NORTH SEAL RIVER BELOW STONY LAKE STATION NO 06ED001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	65.38	57.68	49.28	39.78	47.58	218	349	216	130	109	110 B	91.28	1
2	65.18	57.38	49.08	39.48	51.48	227	348	214	128	110	110 B	90.78	2
3	64.98	56.98	48.78	39.28	56.28	234	352	213	127	110	110 B	90.38	3
4	64.88	56.68	48.38	38.78	60.48	239	352	209	126	109	110 B	89.28	4
5	64.68	56.48	47.98	38.48	68.2	242	348	203	125	108	109 B	88.88	5
6	64.58	56.38	47.88	38.18	70.8	245	344	198	123	108	109 B	88.68	6
7	64.18	56.08	47.58	37.88	74.0	250	342	194	124	107	108 B	88.48	7
8	64.08	55.78	47.18	37.48	78.1	257	341	192	123	107	108 B	87.98	8
9	63.78	55.58	46.78	37.18	82.2	262	336	188	124	107	107 B	87.48	9
10	63.58	55.28	46.68	36.98	86.6	268	330	184	123	106	106 B	86.58	10
11	63.48	54.98	46.18	36.78	91.0	287	327	179	123	105	105 B	86.58	11
12	63.48	54.68	45.88	36.58	88.0	273	323	178	122	104	104 B	86.08	12
13	63.28	54.38	45.68	36.38	103	282	319	178	122	103	104 B	85.58	13
14	62.58	54.08	45.38	35.88	108	287	317	170	121	107	103 B	85.08	14
15	62.58	54.08	44.78	35.68	116	285	311	166	120	107	103 B	84.58	15
16	62.38	53.78	44.48	35.48	122	288	303	163	118	108	101 B	84.18	16
17	62.08	53.38	44.18	35.28	138	291	300	161	118	108	100 B	83.68	17
18	61.88	53.08	43.88	35.08	134	295	295	160	117	108	99.88	83.18	18
19	61.58	52.78	43.58	34.88	142	299	288	158	117	109	99.28	83.18	19
20	61.18	52.48	43.28	34.68	145	298	284	152	116	109	98.88	82.88	20
21	60.88	52.08	42.88	35.08	158	298	277	148	117	110	97.58	82.88	21
22	60.48	51.78	42.38	35.28	162	299	269	146	116	110	97.08	82.18	22
23	60.08	51.48	42.08	35.48	168	306	264	143	116	110	96.48	82.18	23
24	59.78	51.08	41.58	35.68	174	331	257	140	116	111	95.48	81.68	24
25	59.68	50.78	41.38	36.38	181	336	251	139	113	111	94.88	81.68	25
26	59.38	50.48	41.18	36.78	189	338	244	137	112	111	94.38	81.68	26
27	59.08	50.18	41.08	37.88	194	340	237	133	113	111	93.38	81.18	27
28	58.78	49.88	40.68	38.28	200	343	238	130	112	111	92.88	81.18	28
29	58.38		40.48	41.18	206	346	231	131	111	1108	92.28	81.18	29
30	58.28		40.28	43.38	210	348	226	134	108	1108	91.78	80.78	30
31	58.08		39.98		214		224	132		1108		80.78	31
TOTAL	1 920.8	1 607.5	1 378.2	1 114.1	3 817.8	8 590	9 238	5 185	3 582	3 385	3 080 C	2 829.4	TOTAL
MEAN	62.0	53.8	44.5	37.1	126	288	298	167	119	109	102	84.8	MEAN
MAX	65.3	57.6	49.2	43.2	214	348	352	216	130	111	110	91.2	MAX
MIN	58.0	49.8	39.9	34.8	47.5	218	224	130	108	103	91.7	80.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 125
MAXIMUM DAILY, 352 ON JUL 3
MINIMUM DAILY, 34.68 ON APR 19
MAXIMUM INSTANTANEOUS,
355 AT 15 30 CST ON JUL 3

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 40 N
LONG 96 17 20 W
DRAINAGE AREA, 18 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	165 000	JUL	797 000
FEB	130 000	AUG	448 000
MAR	119 000	SEP	309 000
APR	96 300	OCT	291 000
MAY	330 000	NOV	264 000
JUN	742 000	DEC	227 000

TOTAL DISCHARGE, 3 930 000 dam³

NORTH SHOAL LAKE NEAR INWOOD - STATION NO 05LM004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	
2	---	---	---	---	28.983	28.829	28.736	28.798	28.775	28.694	28.659	28.696	1
3	---	---	---	---	28.978	28.886	28.787	28.800	28.722	28.719	28.711	28.702	2
4	---	---	---	---	28.962	28.885	28.780	28.829	28.715	28.694	28.703	28.699	3
5	---	---	---	---	28.971	28.842	28.723	28.801	28.758	28.765	28.753	28.696	4
					28.983	28.813	28.735	28.748	28.784	28.678	28.716	28.701	5
6	---	---	---	---									
7	---	---	---	---	28.988	28.818	28.750	28.819	28.739	28.743	28.708	28.701	6
8	---	---	---	---	28.980	28.854	28.785	28.799	28.781	28.708	28.729	28.692	7
9	---	---	---	---	28.930	28.833	28.743	28.785	28.747	28.780	28.719	28.695	8
10	---	---	---	---	28.945	28.898	28.726	28.796	28.747	28.775	28.705	28.696	9
				28.998A	28.980	28.774	28.770	28.738	28.751	28.728	28.696	28.702	10
11	---	---	---	---									
12	---	---	---	28.985	28.963	28.817	28.787	28.788	28.759	28.728	28.696	28.702	11
13	---	---	---	28.998	28.959	28.816	28.778	28.798	28.748	28.708	28.699	28.699	12
14	---	---	---	28.999	28.921	28.816	28.782	28.785	28.738	28.740	28.696	28.696	13
15	---	---	---	28.985	28.932	28.821	28.787	28.778	28.724	28.730	28.682	28.694	14
				28.999	28.881	28.782	28.739	28.809	28.738	28.713	28.702	28.695	15
16	---	---	---	---									
17	---	---	---	29.003	28.913	28.769	28.784	28.830	28.724	28.713	28.724	28.695	16
18	---	---	---	29.007	28.922	28.795	28.782	28.821	28.736	28.703	28.723	28.693	17
19	---	---	---	29.017	28.883	28.811	28.781	28.825	28.740	28.740	28.704	28.697	18
20	---	---	---	29.017	28.876	28.783	28.774	28.807	28.751	28.721	28.703	28.696	19
				29.102	28.909	28.789	28.774	28.789	28.784	28.738	28.706	28.695	20
21	---	---	---	---									
22	28.879A	---	---	29.008	28.952	28.778	28.777	28.829	28.728	28.692	28.687	28.695	21
23	---	---	---	29.012	28.890	28.779	28.788	28.821	28.729	28.700	28.698	28.693	22
24	---	---	---	29.023	28.882	28.809	28.781	28.784	28.760	28.700	28.702	28.695	23
25	---	---	---	29.010	28.871	28.789	28.787	28.788	28.742	28.673	28.698	28.697	24
				29.010	28.858	28.802	28.788	28.783	28.728	28.642	28.698	28.696A	25
26	---	---	---	---									
27	---	---	---	29.040	28.885	28.789	28.784	28.779	28.717	28.781	28.701	28.695E	26
28	---	---	---	29.029	28.870	28.787	28.748	28.775	28.738	28.748	28.699	28.695E	27
29	---	---	---	29.013	28.826	28.773	28.782	28.787	28.738	28.700	28.694	28.693E	28
30	---	---	---	29.011	28.885	28.781	28.750	28.771	28.758	28.706	28.699	28.691E	29
31	---	---	---	28.981	28.854	28.751	28.740	28.822	28.695	28.713	28.703	28.690E	30
					28.827		28.782	28.775		28.683		28.688E	31
MEAN	---	---	---	---	28.912	28.805	28.759	28.794	28.740	28.730	28.704	28.696	MEAN
MAX	---	---	---	---	28.983	28.886	28.787	28.830	28.775	28.694	28.753	28.702	MAX
MIN	---	---	---	---	28.826	28.751	28.722	28.738	28.695	28.642	28.659	28.688	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.102 ON APR 20
MINIMUM DAILY, 28.642 ON OCT 25
MAXIMUM INSTANTANEOUS,
29.222 AT 11 09 CST ON OCT 1

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 00 N
LONG 97 37 30 W

A - MANUAL GAUGE

E - ESTIMATED

OAK CREEK NEAR GLENBORO - STATION NO. 05NE027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5928	0.310	0.004	0	0	0.006	0.001	---	---	1
2	---	---	0 B	2.47 B	0.282	0.005	0	0	0.003	0.001	---	---	2
3	---	---	0 B	4.14 B	0.230	0.002	0	0	0.003	0.001	---	---	3
4	---	---	0 B	4.99 B	0.287	0.003	0	0	0.001	0.382	---	---	4
5	---	---	0 B	5.28	0.198	0.003	0	0	0.001	0.817	---	---	5
6	---	---	0 B	5.88	0.175	0.004	0	0	0.001	0.342	---	---	6
7	---	---	0 B	6.10	0.142	0.003	0	0	0.001	0.182	---	---	7
8	---	---	0 B	5.83	0.126	0.003	0	0	0.001	0.094	---	---	8
9	---	---	0 B	6.80	0.087	0.003	0	0	0.001	0.072	---	---	9
10	---	---	0 B	4.23	0.085	0.004	0	0	0.001	0.051	---	---	10
11	---	---	0 B	3.62	0.034	0.004	0	0	0.001	0.030	---	---	11
12	---	---	0 B	3.33	0.037	0.003	0	0	0.001	0.028	---	---	12
13	---	---	0 B	2.73	0.035	0.003	0	0	0.001	0.018	---	---	13
14	---	---	0 B	2.24	0.017	0.002	0	0.948	0.001	0.013	---	---	14
15	---	---	0 B	1.92	0.014	0.002	0	0.889	0.001	0.008	---	---	15
16	---	---	0 B	1.71	0.012	0.001	0	2.47	0.001	0.007	---	---	16
17	---	---	0 B	1.56	0.002	0.001	0	1.89	0.003	0.007	---	---	17
18	---	---	0 B	1.37	0.002	0	0	1.06	0.003	0.007	---	---	18
19	---	---	0 B	1.24	0.002	0	0	0.777	0.003	0.004	---	---	19
20	---	---	0.0018	1.09	0.002	0	0	0.584	0.003	0.003	---	---	20
21	---	---	0.0508	0.982	0.002	0	0	0.440	0.032	0.003	---	---	21
22	---	---	0.4008	0.851	0.002	0	0	0.333	0.015	0.004	---	---	22
23	---	---	1.21 B	0.786	0.002	0	0	0.220	0.003	0.003	---	---	23
24	---	---	1.55 B	0.727	0.001	0	0	0.181	0.001	0.003	---	---	24
25	---	---	0.9908	0.843	0.001	0	0	0.152	0.001	0.004	---	---	25
26	---	---	1.12 B	0.547	0.001	0	0	0.127	0.001	0.018	---	---	26
27	---	---	0.8648	0.481	0.002	0	0	0.088	0.001	0.004	---	---	27
28	---	---	0.8258	0.438	0.003	0	0	0.088	0.001	0.003	---	---	28
29	---		0.6068	0.393	0.002	0	0	0.083	0.001	0.002	---	---	29
30	---		0.8508	0.356	0.001	0	0	0.037	0.001	0.001	---	---	30
31	---		0.8558		0.001		0	0.017		0.002		---	31
TOTAL	---	---	8.191	72.888	2.039	0.050	0	10.342	0.098	1.888	---	---	TOTAL
MEAN	---	---	0.288	2.43	0.066	0.002	0	0.334	0.003	0.061	---	---	MEAN
MAX	---	---	1.55	6.88	0.310	0.005	0	2.47	0.032	0.812	---	---	MAX
MIN	---	---	0	0.356	0.001	0	0	0	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN. 0.384
MAXIMUM DAILY. 6.88 ON APR 5
MINIMUM DAILY. 0B ON MAR 1
MAXIMUM INSTANTANEOUS.
6.80 AT 08:43 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 99 10 15 W
DRAINAGE AREA. 494 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	894
MAR	794	SEP	0 28
APR	6 300	OCT	183
MAY	175	NOV	---
JUN	4 32	DEC	---

TOTAL DISCHARGE. 8 340 dam³

OAK CREEK NEAR STOCKTON - STATION NO. 05NE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0038	0.0028	0.0028	1.888	1.74	0.400	0.120	0.008	0.004	0.001	0.001	0.0018	1
2	0.0068	0.0028	0.0028	2.39	1.70	0.357	0.112	0.004	0.003	0.001	0.001	0.0018	2
3	0.0048	0.0028	0.0028	1.79	1.63	0.326	0.101	0.011	0.003	0	0.001	0.0018	3
4	0.0048	0.0028	0.0038	1.85	1.58	0.298	0.091	0.003	0.002	0.001	0.001	0.0018	4
5	0.0058	0.0038	0.0048	1.84	1.50	0.284	0.081	0.003	0.002	0.001	0.001	0.0018	5
6	0.0068	0.0028	0.0058	1.33	1.40	0.328	0.038	0.003	0.002	0.002	0.001	0.0018	6
7	0.0068	0.0028	0.0058	1.28	1.34	0.301	0.043	0.003	0.002	0.001	0.001	0.0018	7
8	0.0078	0.0028	0.0048	1.28	1.30	0.288	0.042	0.003	0.002	0.001	0.001	0.0018	8
9	0.0068	0.0028	0.0038	1.28	1.18	0.244	0.070	0.003	0.002	0.002	0.001	0.0018	9
10	0.0048	0.0028	0.0048	1.31	1.11	0.234	0.088	0.003	0.002	0.002	0.001	0.0018	10
11	0.0038	0.0028	0.0048	1.40	1.04	0.238	0.082	0.003	0.002	0.002	0.001	0.0018	11
12	0.0038	0.0028	0.0038	1.53	0.985	0.223	0.074	0.002	0.002	0.002	0.001	0.0018	12
13	0.0038	0.0028	0.0038	1.61	0.888	0.207	0.067	0.002	0.002	0.002	0.001	0.0018	13
14	0.0048	0.0028	0.0038	1.78	0.787	0.185	0.083	0.476	0.002	0.002	0.001	0.0018	14
15	0.0048	0.0038	0.0038	1.80	0.801	0.181	0.083	2.08	0.001	0.002	0.001	0.0018	15
16	0.0038	0.0028	0.0038	1.87	0.808	0.133	0.080	0.788	0.001	0.002	0.001	0.0018	16
17	0.0038	0.0048	0.0038	1.91	0.778	0.133	0.023	0.244	0.002	0.002	0.001	0.0018	17
18	0.0038	0.0028	0.0038	1.98	0.733	0.141	0.027	0.134	0.002	0.002	0.001	0.0018	18
19	0.0038	0.0028	0.0038	2.16	0.698	0.178	0.017	0.085	0.002	0.002	0.001	0.0018	19
20	0.0038	0.0028	0.0058	2.21	0.781	0.183	0.014	0.072	0.002	0.002	0.0018	0.0018	20
21	0.0038	0.0028	0.0048	2.10	0.833	0.175	0.013	0.054	0.001	0.002	0.0018	0.0018	21
22	0.0038	0.0028	1.57 B	2.10	0.787	0.175	0.014	0.029	0.001	0.002	0.0018	0.0018	22
23	0.0038	0.0028	4.83 B	2.05	0.761	0.162	0.008	0.021	0.001	0.002	0.0018	0.0018	23
24	0.0028	0.0028	5.82 B	2.06	0.700	0.165	0.005	0.018	0.001	0.002	0.0018	0.0018	24
25	0.0028	0.0028	6.04 B	2.05	0.693	0.137	0.003	0.013	0.001	0.002	0.0018	0.0018	25
26	0.0028	0.0028	4.78 B	2.00	0.617	0.138	0.003	0.008	0.001	0.002	0.0018	0.0018	26
27	0.0028	0.0018	3.62 B	1.88	0.804	0.128	0.003	0.008	0.001	0.002	0.0018	0.0018	27
28	0.0028	0.0028	2.46 B	1.84	0.880	0.127	0.003	0.008	0	0.002	0.0018	0.0018	28
29	0.0028		1.39 B	1.78	0.584	0.128	0.003	0.008	0	0.002	0.0018	0.0018	29
30	0.0028		0.5698	1.76	0.502	0.118	0.003	0.008	0.001	0.002	0.0018	0.0018	30
31	0.0028		1.01 B		0.482		0.003	0.005		0		0.0018	31
TOTAL	0.108	0.057	39.381	53.88	28.742	5.280	1.338	4.095	0.050	0.052	0.030	0.031	TOTAL
MEAN	0.003	0.002	1.17	1.80	0.958	0.209	0.043	0.132	0.002	0.002	0.001	0.001	MEAN
MAX	0.006	0.004	6.82	2.39	1.74	0.400	0.120	2.08	0.004	0.002	0.001	0.001	MAX
MIN	0.002	0.001	0.002	1.28	0.482	0.118	0.003	0.002	0	0	0.001	0.001	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN. 0.382
MAXIMUM DAILY. 6.82B ON MAR 24
MINIMUM DAILY. 0 ON SEP 28
MAXIMUM INSTANTANEOUS.
11.88 AT 23:13 CST ON MAR 23

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 99 30 49 W
DRAINAGE AREA. 1 080 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 33	JUL	115
FEB	4 92	AUG	394
MAR	3 140	SEP	4 32
APR	4 850	OCT	4 49
MAY	2 570	NOV	2 58
JUN	543	DEC	2 84

TOTAL DISCHARGE. 11 400 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05MC003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	429.535	429.718	429.801	429.781	429.730	429.693	429.541	429.449	429.423	---	1
2	---	---	429.538	429.737	429.799	429.819	429.709	429.663	429.548	429.457	429.420	---	2
3	---	---	429.536	429.784	429.787	429.726	429.706	429.648	429.540	429.458	429.438	---	3
4	---	---	429.536	429.784	429.806	429.711	429.706	429.637	429.535	429.475	429.431	---	4
5	---	---	429.539	429.810	429.805	429.704	429.696	429.642	429.529	429.464	429.421	---	5
6	---	---	429.535	429.838	429.793	429.711	429.679	429.633	429.530	429.437	429.416A	---	6
7	---	---	429.536	429.868	429.782	429.703	429.668	429.618	429.522	429.433	---	---	7
8	---	---	429.532	429.898	429.784	429.686	429.646	429.608	429.515	429.434	---	---	8
9	---	---	429.529	429.926	429.771	429.682	429.639	429.593	429.514	429.430	---	---	9
10	---	---	429.532	429.950	429.763	429.674	429.638	429.584	429.512	429.441	---	---	10
11	---	---	429.533	429.956	429.788	429.682	429.630	429.599	429.512	429.431	---	---	11
12	---	---	429.530	429.959	429.785	429.676	429.644	429.588	429.510	429.432	---	---	12
13	---	---	429.531	429.953	429.780	429.675	429.632	429.589	429.506	429.444	---	---	13
14	---	---	429.532	429.946	429.784	429.670	429.622	429.572	429.506	429.428	---	---	14
15	---	---	429.532	429.942	429.770	429.680	429.612	429.590	429.498	429.423	---	---	15
16	---	---	429.530	429.936	429.782	429.663	429.609	429.586	429.485	429.428	---	---	16
17	---	429.526A	429.534	429.928	429.782	429.706	429.594	429.590	429.487	429.433	---	---	17
18	---	429.523	429.565	429.910	429.741	429.702	429.586	429.593	429.482	429.427	---	---	18
19	---	429.522	429.569	429.925	429.757	429.687	429.660	429.595	429.488	429.427	---	---	19
20	---	429.522	429.578	429.910	429.780	429.698	429.686	429.594	429.488	429.420	---	---	20
21	---	429.522	429.589	429.897	429.731	429.724	429.647	429.590	429.488	429.416	---	---	21
22	---	429.523	429.593	429.887	429.738	429.765	429.647	429.581	429.490	429.418	---	---	22
23	---	429.522	429.598	429.873	429.742	429.783	429.652	429.576	429.476	429.420	---	---	23
24	---	429.522	429.608	429.867	429.746	429.750	429.652	429.577	429.487	429.428	---	---	24
25	---	429.524	429.624	429.861	429.734	429.736	429.652	429.573	429.473	429.423	---	---	25
26	---	429.526	429.642	429.857	429.730	429.719	429.645	429.578	429.488	429.430	---	---	26
27	---	429.534	429.655	429.841	429.717	429.712	429.670	429.573	429.470	429.423	---	---	27
28	---	429.533	429.684	429.849	429.734	429.718	429.671	429.576	429.470	429.422	---	---	28
29	---		429.675	429.832	429.739	429.723	429.681	429.573	429.471	429.422	---	---	29
30	---		429.680	429.810	429.737	429.717	429.694	429.568	429.471	429.417	---	---	30
31	---		429.708		429.742		429.695	429.551		429.419		---	31
MEAN	---	---	429.575	429.874	429.782	429.712	429.654	429.597	429.501	429.432	---	---	MEAN
MAX	---	---	429.708	429.959	429.806	429.819	429.730	429.663	429.548	429.475	---	---	MAX
MIN	---	---	429.529	429.718	429.717	429.693	429.588	429.551	429.487	429.416	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 429.959 ON APR 12

MAXIMUM INSTANTANEOUS,
429.963 AT 16 47 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 100 42 30 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
4 760 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OAK RIVER AT SHOAL LAKE - STATION NO. 05MC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8	0.8	0.8	0.0648	0.387	0.094	0	0.026	0	0	---	---	1
2	0.8	0.8	0.8	0.0618	0.343	0.086	0.003	0.027	0	0	---	---	2
3	0.8	0.8	0.8	0.1048	0.324	0.086	0.002	0.025	0	0	---	---	3
4	0.8	0.8	0.8	0.4298	0.349	0.090	0	0.023	0	0	---	---	4
5	0.8	0.8	0.8	1.71 B	0.380	0.088	0	0.021	0	0	---	---	5
6	0.8	0.8	0.8	3.87 B	0.388	0.077	0	0.019	0	0	---	---	6
7	0.8	0.8	0.8	3.44 B	0.355	0.082	0.005	0.018	0	0	---	---	7
8	0.8	0.8	0.8	4.51	0.356	0.063	0.008	0.016	0	0	---	---	8
9	0.8	0.8	0.8	3.89	0.347	0.028	0.004	0.014	0	0	---	---	9
10	0.8	0.8	0.8	3.40	0.329	0.030	0.009	0.015	0	0	---	---	10
11	0.8	0.8	0.8	3.06	0.317	0.028	0.012	0.017	0	0	---	---	11
12	0.8	0.8	0.8	3.81	0.318	0.028	0.008	0.018	0	0	---	---	12
13	0.8	0.8	0.8	3.38	0.202	0.031	0.003	0.014	0	0	---	---	13
14	0.8	0.8	0.8	3.01	0.192	0.025	0	0.009	0	0	---	---	14
15	0.8	0.8	0.8	2.64	0.206	0.026	0	0	0	0	---	---	15
16	0.8	0.8	0.8	2.22	0.206	0.030	0	0.001	0	0	---	---	16
17	0.8	0.8	0.8	1.98	0.196	0.026	0	0.003	0	0	---	---	17
18	0.8	0.8	0.8	1.81	0.187	0.007	0	0.002	0	0	---	---	18
19	0.8	0.8	0.8	1.62	0.180	0.012	0.034	0	0	0	---	---	19
20	0.8	0.8	0.8	1.42	0.171	0.003	0.029	0	0	0	---	---	20
21	0.8	0.8	0.8258	1.27	0.154	0.007	0.029	0	0	0	---	---	21
22	0.8	0.8	0.8158	1.13	0.148	0.016	0.032	0	0	0	---	---	22
23	0.8	0.8	0.8038	1.01	0.137	0.026	0.033	0	0	0	---	---	23
24	0.8	0.8	0.8488	0.916	0.124	0.018	0.036	0	0	0	---	---	24
25	0.8	0.8	0.8108	0.880	0.118	0.016	0.028	0	0	0	---	---	25
26	0.8	0.8	0.8068	0.777	0.107	0.016	0.038	0	0	0	---	---	26
27	0.8	0.8	0.8118	0.686	0.110	0.011	0.031	0	0	0	---	---	27
28	0.8	0.8	0.8128	0.596	0.114	0.007	0.019	0	0	0	---	---	28
29	0.8		0.8258	0.491	0.108	0.006	0.013	0	0	0	---	---	29
30	0.8		0.8208	0.434	0.097	0.003	0.015	0	0	0	---	---	30
31	0.8		0.8378		0.078		0.030	0		0	---	---	31
TOTAL	0	0	0.389	54.329	8.315	1.030	0.388	0.381	0	0	---	---	TOTAL
MEAN	0	0	0.013	1.81	0.268	0.034	0.012	0.008	0	0	---	---	MEAN
MAX	0	0	0.118	4.51	0.387	0.094	0.034	0.027	0	0	---	---	MAX
MIN	0	0	0	0.064	0.078	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 255
MAXIMUM DAILY, 4 51 ON APR 5
MINIMUM DAILY, 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5 570 AT 16 03 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 33 N
LONG 100 36 16 W

DRAINAGE AREA, 372 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	31 8
FEB	0	AUG	23 6
MAR	33 6	SEP	0
APR	4 690	OCT	0
MAY	718	NOV	---
JUN	88 1	DEC	---

TOTAL DISCHARGE, 5 610 dam³

OAK RIVER NEAR RIVERS - STATION NO 05MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8	0.8	0.8	0.9888	1.33	0.303	0.032	0.001	0	0	---	---	1
2	0.8	0.8	0.8	0.3848	1.28	0.330	0.288	0.001	0	0	---	---	2
3	0.8	0.8	0.8	1.76 B	1.19	0.314	0.083	0.001	0	0	---	---	3
4	0.8	0.8	0.8	5.19 B	1.12	0.288	0.052	0.001	0	0	---	---	4
5	0.8	0.8	0.8	11.7 B	1.08	0.243	0.017	0.001	0	0	---	---	5
6	0.8	0.8	0.8	15.4	1.00	0.283	0.012	0	0	0	---	---	6
7	0.8	0.8	0.8	12.0	0.872	0.258	0.008	0	0	0	---	---	7
8	0.8	0.8	0.8	10.1	0.788	0.284	0.005	0	0	0	---	---	8
9	0.8	0.8	0.8	8.30	0.783	0.281	0.003	0	0	0	---	---	9
10	0.8	0.8	0.8	7.28	0.705	0.286	0.002	0	0	0	---	---	10
11	0.8	0.8	0.8	6.88	0.641	0.220	0.002	0	0	0	---	---	11
12	0.8	0.8	0.8	5.01	0.550	0.182	0.002	0	0	0	---	---	12
13	0.8	0.8	0.8	4.26	0.516	0.215	0.001	0	0	0	---	---	13
14	0.8	0.8	0.8	3.88	0.456	0.164	0.001	0	0	0	---	---	14
15	0.8	0.8	0.8	3.30	0.429	0.071	0.001	0	0	0	---	---	15
16	0.8	0.8	0.8	2.76	0.420	0.081	0.001	0	0	0	---	---	16
17	0.8	0.8	0.8	2.40	0.408	0.173	0.001	0	0	0	---	---	17
18	0.8	0.8	0.8	1.91	0.382	0.182	0.001	0	0	0	---	---	18
19	0.8	0.8	0.8	1.85	0.390	0.120	0.002	0	0	0	---	---	19
20	0.8	0.8	0.8	1.70	0.389	0.059	0.001	0	0	0	---	---	20
21	0.8	0.8	0.0018	1.83	0.431	0.031	0.001	0	0	0	---	---	21
22	0.8	0.8	0.0068	1.78	0.508	0.016	0.001	0	0	0	---	---	22
23	0.8	0.8	0.0178	1.85	0.333	0.023	0.001	0	0	0	---	---	23
24	0.8	0.8	0.0408	1.72	0.284	0.082	0.001	0	0	0	---	---	24
25	0.8	0.8	0.0588	1.73	0.234	0.086	0.001	0	0	0	---	---	25
26	0.8	0.8	0.0738	1.72	0.304	0.028	0.001	0	0	0	---	---	26
27	0.8	0.8	0.0458	1.88	0.306	0.014	0.001	0	0	0	---	---	27
28	0.8	0.8	0.0408	1.88	0.338	0.021	0.001	0	0	0	---	---	28
29	0.8		0.0818	1.56	0.437	0.029	0.001	0	0	0	---	---	29
30	0.8		0.0828	1.48	0.372	0.025	0.001	0	0	0	---	---	30
31	0.8		0.1148		0.283		0.001	0		0	---	---	31
TOTAL	0	0	0.507	122.122	18.614	4.589	0.507	0.008	0	0	---	---	TOTAL
MEAN	0	0	0.016	4.07	0.600	0.153	0.016	0	0	0	---	---	MEAN
MAX	0	0	0.114	15.4	1.33	0.330	0.288	0.001	0	0	---	---	MAX
MIN	0	0	0	0.384	0.234	0.014	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 597
MAXIMUM DAILY 15 4 ON APR 6
MINIMUM DAILY 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS
15 1 AT 17 09 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 23 35 W
DRAINAGE AREA 1 180 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	43 8
FEB	0	AUG	0 43
MAR	43 8	SEP	0
APR	10 800	OCT	0
MAY	1 810	NOV	---
JUN	397	DEC	---

TOTAL DISCHARGE 12 700 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO 05LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2488	1.888	1.52	0.481	0.173E	0.172	0.086	0.220	---	---	1
2	---	---	0.2458	1.488	1.38	0.566	0.191E	0.159	0.085	0.243	---	---	2
3	---	---	0.2488	3.638	1.28	0.611	0.229E	0.116	0.087	0.228	---	---	3
4	---	---	0.2618	6.268	1.22	0.597	0.191E	0.098	0.080	0.246	---	---	4
5	---	---	0.8518	5.808	1.17	0.504	0.178E	0.108	0.090	0.328	---	---	5
6	---	---	1.01 B	8.768	1.09	0.429	0.178E	0.130	0.082	0.830	---	---	6
7	---	---	0.7808	11.1 B	1.04	0.382	0.191E	0.139	0.087	0.820	---	---	7
8	---	---	0.3848	11.8 B	0.976	0.301	0.179E	0.127	0.080	0.581	---	---	8
9	---	---	0.2918	14.4	0.895	0.248	0.181E	0.100	0.087	0.618	---	---	9
10	---	---	0.2188	14.8	0.850	0.220	0.155E	0.092	0.082	0.581	---	---	10
11	---	---	0.4868	10.2	0.824	0.243	0.178E	0.117	0.108	0.552	---	---	11
12	---	---	0.8598	8.13	0.771	0.246	0.188E	0.131	0.158	0.554	---	---	12
13	---	---	0.7088	8.45	0.892	0.186	0.214E	0.128	0.189	0.598	---	---	13
14	---	---	0.3588	8.08	0.898	0.161	0.273E	0.120	0.155	0.707	---	---	14
15	---	---	0.3428	8.11	0.818	0.132	0.237E	0.237	0.133	0.695	---	---	15
16	---	---	0.3218	8.16	0.841	0.133	0.202E	0.259	0.140	0.615	---	---	16
17	---	---	0.3088	7.87	0.490	0.187	0.191E	0.271	0.179	0.805	---	---	17
18	---	---	0.3018	8.78	0.491	0.348A	0.229E	0.221	0.471	0.548	---	---	18
19	---	---	0.3388	8.84	0.559	0.229E	0.395E	0.198	0.604	0.517	---	---	19
20	---	---	0.3898	8.10	0.555	0.170E	0.877E	0.152	0.588	0.505	---	---	20
21	---	---	0.4548	4.38	0.550	0.173E	0.590A	0.128	0.431	0.531	---	---	21
22	---	---	0.7888	3.82	0.536	0.181E	0.448	0.129	0.337	0.509	---	---	22
23	---	---	1.28 B	3.30	0.472	0.170E	0.401	0.130	0.290	0.526	---	---	23
24	---	---	1.60 B	2.91	0.405	0.182E	0.323	0.122	0.284	0.525	---	---	24
25	---	---	1.65 B	2.71	0.388	0.198E	0.253	0.109	0.273	0.508	---	---	25
26	---	---	2.65 B	2.42	0.344	0.178E	0.203	0.092	0.249	0.584	---	---	26
27	---	---	2.77 B	2.13	0.371	0.173E	0.188	0.090	0.241	0.798	---	---	27
28	---	---	2.35 B	1.85	0.477	0.176E	0.168	0.088	0.282	0.789	---	---	28
29	---		2.05 B	1.79	0.782	0.178E	0.128	0.104	0.228	0.724	---	---	29
30	---		1.95 B	1.63	0.743	0.176E	0.120	0.078	0.229	0.887	---	---	30
31	---		1.82 B		0.543		0.129	0.084		0.634	---	---	31
TOTAL	---	---	27.913	182.65	23.302	8.142	7.728	4.203	8.156	18.951	---	---	TOTAL
MEAN	---	---	0.900	6.09	0.752	0.271	0.249	0.136	0.205	0.647	---	---	MEAN
MAX	---	---	2.77	14.8	1.52	0.611	0.877	0.271	0.604	0.798	---	---	MAX
MIN	---	---	0.245	1.48	0.344	0.132	0.120	0.084	0.050	0.220	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1 13
MAXIMUM DAILY 14 8 ON APR 10
MINIMUM DAILY 0 050 ON SEP 5
MAXIMUM INSTANTANEOUS
15 4 AT 09 01 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 55 N
LONG 99 55 44 W
DRAINAGE AREA 342 km²
A MANUAL GAUGE
B ICE CONDITIONS
E ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	666
FEB	---	AUG	363
MAR	3 410	SEP	532
APR	15 800	OCT	1 480
MAY	2 010	NOV	---
JUN	703	DEC	---

TOTAL DISCHARGE 23 900 dam³

ODEI RIVER NEAR THOMPSON - STATION NO 05TG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12 6 B	7 608	5 318	4 858	203	55 4	73 0	26 0	23 4	30 8	37 8	10 2 B	1
2	12 5 B	7 455	5 278	4 858	194	57 1	67 3	25 1	23 7	31 9	38 6	9 888	2
3	12 4 B	7 338	5 238	4 878	180	58 7	62 6	24 8	24 3	34 5	38 2	9 628	3
4	12 2 B	7 228	5 218	4 898	165	60 8	58 6	23 3	25 3	36 4	37 4	9 348	4
5	11 9 B	7 068	5 188	4 898	151	61 4	54 4	22 4	25 9	37 2	35 7	9 118	5
6	11 8 B	6 958	5 128	4 918	137	61 2	51 2	21 8	27 2	37 2	23 5	8 888	6
7	11 6 B	6 858	5 088	4 938	125	59 8	49 0	20 9	28 7	37 0	20 8	8 668	7
8	11 5 B	6 718	5 068	4 958	115	57 5	48 1	20 6	29 5	36 5	20 0	8 388	8
9	11 4 B	6 588	5 068	5 008	105	54 7	48 3	20 1	31 0	36 1	20 5	8 258	9
10	11 2 B	6 498	5 048	5 068	97 0	52 0	50 1	19 8	33 2	35 2	21 1	8 068	10
11	11 1 B	6 388	5 028	5 148	89 8	49 7	51 1	20 2	35 8	34 4	20 8	7 848	11
12	10 9 B	6 288	5 008	5 278	82 9	47 4	51 4	20 5	37 5	34 1	20 5	7 638	12
13	10 7 B	6 208	4 988	5 488	78 2	45 8	51 2	21 8	38 2	34 0	19 38	7 498	13
14	10 5 B	6 128	4 938	5 758	72 8	44 0	50 4A	22 8	38 3	33 6	19 28	7 258	14
15	10 4 B	6 018	4 918	6 228	68 8	42 4	49 0	24 5	37 8	33 3	18 58	6 988	15
16	10 1 B	5 908	4 898	7 528	65 1	41 0	47 7	25 1	37 2	33 1	17 58	6 798	16
17	9 948	5 858	4 878	15 8	61 9	40 5	45 8	24 8	38 9	32 7	16 48	6 608	17
18	9 828	5 828	4 878	24 5	58 1	39 6	45 1	25 7	38 5	32 2	15 48	6 418	18
19	9 688	5 778	4 858	35 0	55 4	40 2	43 2	22 8	36 5	31 9	14 88	6 228	19
20	9 508	5 738	4 858	43 6	54 9	41 5	41 7	22 0	36 3	31 7	14 28	6 088	20
21	9 278	5 698	4 858	54 5	52 7	41 6	40 0	21 5	35 8	31 2	13 78	5 868	21
22	9 118	5 658	4 858	68 4	51 4	40 9	38 5	20 5	35 1	30 8	13 18	5 698	22
23	8 888	5 618	4 858	83 0	48 8	42 1	37 3	20 0	34 0	30 3	12 68	5 598	23
24	8 705	5 548	4 838	10.	48 6	43 0	36 5	19 4	33 0	29 3	12 28	5 488	24
25	8 558	5 488	4 838	118	47 1	82 8	34 0	19 5	32 2	27 2	11 98	5 358	25
26	8 388	5 428	4 818	131	45 9	76 8	32 7	19 0	31 5	28 2	11 58	5 258	26
27	8 228	5 368	4 798	141 A	45 0	67 1	31 3	18 0	30 9	27 2	11 28	5 108	27
28	8 088	5 338	4 818	171 E	44 0	90 3	30 6	17 7	29 7	26 7	10 98	4 988	28
29	7 988		4 838	198 A	46 0	88 2	29 2	16 9	28 9	24 9	10 78	4 858	29
30	7 848		4 838	204	48 8	78 3	28 0	20 4	28 2	26 1	10 58	4 728	30
31	7 718		4 858		52 1		27 0	21 3		27 5		4 628	31
TOTAL	314 43	174 46	153 62	1 472 48	2 892 8	1 885 2	1 404 3	689 0	982 2	991 2	539 0	217 13	TOTAL
MEAN	10 1	6 23	4 96	49 1	88 9	55 5	45 3	21 6	32 1	32 0	18 0	7 00	MEAN
MAX	12 6	7 60	5 31	204	203	90 3	73 0	26 0	38 3	37 2	38 5	10 2	MAX
MIN	7 71	5 33	4 78	4 85	44 0	38 8	27 0	17 7	23 4	24 7	10 5	4 62	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 30 8
MAXIMUM DAILY, 204 ON APR 30
MINIMUM DAILY, 4 628 ON DEC 31
MAXIMUM INSTANTANEOUS
206 AT 22 00 CST ON APR 30

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 45 N
LONG 97 21 23 W
DRAINAGE AREA 6 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 200	JUL	121 000
FEB	15 100	AUG	57 800
MAR	13 300	SEP	83 100
APR	127 000	OCT	85 600
MAY	233 000	NOV	48 600
JUN	144 000	DEC	18 800

TOTAL DISCHARGE, 973 000 dam³

OMANDS CREEK NEAR BROOKSIDE CEMETERY - STATION NO 05MJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 9388	0	0	0	0	0 008	0 006	---	---	1
2	---	---	0 B	1 18 B	0	0	0	0	0 006	0 006	---	---	2
3	---	---	0 B	3 44 B	0	0	0	0	0 006	0 006	---	---	3
4	---	---	0 B	3 88 B	0	0	0	0	0 006	0 007	---	---	4
5	---	---	0 B	4 84	0	0	0	0	0 006	0 011	---	---	5
6	---	---	0 B	6 18	0	0	0	0	0 006	0 003	---	---	6
7	---	---	0 B	6 08	0	0	0	0	0 010	0	---	---	7
8	---	---	0 B	5 82	0	0	0	0	0 007	0	---	---	8
9	---	---	0 B	4 43	0	0	0	0	0 006	0	---	---	9
10	---	---	0 B	3 86	0	0	0	0	0 006	0	---	---	10
11	---	---	0 B	1 88	0	0	0	0 128	0 006	0	---	---	11
12	---	---	0 B	1 07	0	0	0	0 109	0 007	0	---	---	12
13	---	---	0 B	0 884	0	0	0	0 084	0 007	0	---	---	13
14	---	---	0 B	0 883	0	0	0	0 220	0 006	0	---	---	14
15	---	---	0 B	0 543	0	0	0	1 18	0 006	0	---	---	15
16	---	---	0 B	0 420	0	0	0	2 35	0 005	0 A	---	---	16
17	---	---	0 B	0 289	0	0	0	2 19	0 004	0	---	---	17
18	---	---	0 B	0 091	0	0	0	1 25	0 004	0	---	---	18
19	---	---	0 B	0 046	0	0	0	0 552	0 003	0	---	---	19
20	---	---	0 0678	0 018	0	0	0	0 330	0 003	0	---	---	20
21	---	---	0 5858	0 008	0	0	0	0 035	0 002	0	---	---	21
22	---	---	0 4818	0 004	0	0	0	0	0 001	0	---	---	22
23	---	---	0 3868	0 018	0	0	0	0	0	0	---	---	23
24	---	---	0 3148	0 018	0	0	0	0	0	0	---	---	24
25	---	---	0 1708	0 008	0	0	0	0	0	0	---	---	25
26	---	---	0 0258	0 017	0	0	0	0	0	0	---	---	26
27	---	---	0 3888	0 008	0	0	0	0	0	0	---	---	27
28	---	---	1 22 B	0 017	0	0	0	0 002	0	0	---	---	28
29	---		3 04 B	0 001	0	0	0	0 008	0	0 013A	---	---	29
30	---		1 36 B	0 001	0	0	0	0 008	0 008	0 008	---	---	30
31	---		0 8888		0	0	0	0 008	0 008	0 003	---	---	31
TOTAL	---	---	7 733	45 289	0	0	0	0 007		0 001			TOTAL
MEAN	---	---	0 249	1 51	0	0	0	0 348	0 128	0 061	---	---	MEAN
MAX	---	---	2 04	5 18	0	0	0	0 289	0 004	0 003	---	---	MAX
MIN	---	---	0	0 001	0	0	0	2 35	0 010	0 013	---	---	MIN
								0	0	0	---	---	

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 251
MAXIMUM DAILY, 5 18 ON APR 6
MINIMUM DAILY, 0 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 97 12 59 W
DRAINAGE AREA, 75 1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	721
MAR	667	SEP	11 1
APR	3 910	OCT	5 27
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 5 310 dam³

GHANDS CREEK NEAR METRO ROUTE 90 - STATION NO. 05MJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.15 B	0.002	0	0	0.001	0.002	0 E	---	---	1
2	---	---	0 B	0.8638	0	0	0	0	0.002	0 E	---	---	2
3	---	---	0 B	0.9638	0	0	0	0	0.002	0 E	---	---	3
4	---	---	0 B	1.83 B	0	0	0	0	0.003	0.034E	---	---	4
5	---	---	0 B	4.33	0	0	0	0	0.001	0.049E	---	---	5
6	---	---	0 B	5.04	0	0	0.001	0.001	0.001	0.058E	---	---	6
7	---	---	0 B	6.22	0	0	0.007	0	0.002	0.065E	---	---	7
8	---	---	0 B	5.82	0	0	0	0	0.001	0.033E	---	---	8
9	---	---	0 B	5.10	0	0	0.001	0	0	0 E	---	---	9
10	---	---	0 B	3.48	0	0.007	0.034	0.007	0	0 E	---	---	10
11	---	---	0 B	1.98	0	0.038	0.002	0.038	0	0 E	---	---	11
12	---	---	0 B	1.24	0	0.005	0	0.002	0.002	0 E	---	---	12
13	---	---	0 B	1.01	0	0	0	0.003	0	0 E	---	---	13
14	---	---	0 B	0.832	0	0	0	0.304	0	0 E	---	---	14
15	---	---	0 B	0.884	0	0	0	1.12	0	0 E	---	---	15
16	---	---	0 B	0.818	0	0	0	2.08	0	0.044E	---	---	16
17	---	---	0 B	0.344	0	0.021	0	2.14	0	0.040E	---	---	17
18	---	---	0 B	0.138	0	0.005	0	1.26	0	0.030E	---	---	18
19	---	---	0 B	0.073	0	0	0.150	0.540	0	0.028E	---	---	19
20	---	---	0.0068	0.048	0	0	0.001	0.342	0	0.020E	---	---	20
21	---	---	0.0128	0.031	0.017	0	0.001	0.194	0	0.022E	---	---	21
22	---	---	0.0188	0.018	0.008	0.022	0.011	0.104	0	0.021E	---	---	22
23	---	---	0.0268	0.015	0.002	0.002	0	0.088	0 A	0.028E	---	---	23
24	---	---	1.31 B	0.022	0	0	0	0.037	0 E	0.023E	---	---	24
25	---	---	0.8878	0.020	0	0	0	0.036	0 E	0.020E	---	---	25
26	---	---	1.08 B	0.018	0.002	0	0	0.018	0 E	0.022E	---	---	26
27	---	---	3.27 B	0.025	0.031	0	0	0.018	0 E	0.020E	---	---	27
28	---	---	2.82 B	0.008	0.028	0	0	0.003	0 E	0.093A	---	---	28
29	---		2.38 B	0.022	0.018	0	0	0.043	0 E	0.038	---	---	29
30	---		1.95 B	0.007	0.004	0	0	0.026	0 E	0.011	---	---	30
31	---		1.64 B		0		0.182	0.009		0.008		---	31
TOTAL	---	---	15.300	43.827	0.107	0.100	0.370	8.371	0.018	0.734	---	---	TOTAL
MEAN	---	---	0.480	1.48	0.003	0.003	0.012	0.270	0 001	0 024	---	---	MEAN
MAX	---	---	3.27	6.22	0.031	0.038	0.182	2.14	0 003	0 093	---	---	MAX
MIN	---	---	0	0.007	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN. 0.281
MAXIMUM DAILY. 6.22 ON APR 7
MINIMUM DAILY. 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 43 N
LONG 97 12 20 W
DRAINAGE AREA. 60 5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	32 0
FEB	---	AUG	723
MAR	1 310	SEP	1 38
APR	3 780	OCT	63 4
MAY	9 24	NOV	---
JUN	8 64	DEC	---

TOTAL DISCHARGE. 5 940 dam³

OTTER LAKE NEAR BROAD VALLEY - STATION NO 05OD401

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	274.081	274.030	274.000	273.939	---	---	1
2	---	---	---	---	---	---	274.078	274.030	274.003	273.954	---	---	2
3	---	---	---	---	---	---	274.076	274.018	274.003	273.967	---	---	3
4	---	---	---	---	---	---	274.078	274.021	273.997	273.946	---	---	4
5	---	---	---	---	---	---	274.070	274.024	273.997	273.939	---	---	5
6	---	---	---	---	---	---	274.081	274.018	273.997	273.946	---	---	6
7	---	---	---	---	---	---	274.088	274.018	273.994	273.948	---	---	7
8	---	---	---	---	274.207A	---	274.085	274.015	273.994	273.951	---	---	8
9	---	---	---	---	---	---	274.070	274.009	273.988	273.968	---	---	9
10	---	---	---	---	---	---	274.088	274.012	273.982	273.989	---	---	10
11	---	---	---	---	---	---	274.088	274.018	273.988	273.988	---	---	11
12	---	---	---	---	---	---	274.078	274.015	273.988	273.986	---	---	12
13	---	---	---	---	---	---	274.082	274.015	273.991	273.986	---	---	13
14	---	---	---	274.277A	---	---	274.088	274.012	273.988	273.983	---	---	14
15	---	---	---	---	---	---	274.094	274.043	273.988	273.983	---	---	15
16	---	---	---	---	---	---	274.085	274.040	273.988	273.983	---	---	16
17	---	---	---	---	---	---	274.085	274.040	273.982	273.988	---	---	17
18	---	---	---	---	---	---	274.082	274.037	273.985	273.973	---	---	18
19	---	---	---	---	---	---	274.084	274.037	273.982	273.973	---	---	19
20	---	---	---	---	274.155A	---	274.088	274.037	273.976	273.988	---	---	20
21	---	---	---	---	---	---	274.091	274.033	273.979	273.988A	---	---	21
22	---	---	---	---	---	---	274.086	274.033	273.976	---	---	---	22
23	---	---	---	---	---	274.087A	274.085	274.033	273.969	---	---	---	23
24	---	---	---	---	---	274.081	274.082	274.027	273.969	---	---	---	24
25	---	274.193A	---	---	---	274.085	274.078	274.024	273.966	---	---	---	25
26	---	---	---	---	---	274.048	274.076	274.024	273.966	---	---	---	26
27	---	---	---	---	---	274.048	274.070	274.021	273.960	---	---	---	27
28	---	---	---	---	---	274.048	274.068	274.021	273.957	---	---	---	28
29	---		---	---	---	274.043	274.068	274.018	273.954	---	---	---	29
30	---		---	---	---	274.048	274.037	274.008	273.960	---	---	---	30
31	---		---		---		274.033	274.008		---		---	31
MEAN	---	---	---	---	---	---	274.075	274.024	273.982	---	---	---	MEAN
MAX	---	---	---	---	---	---	274.088	274.043	274.003	---	---	---	MAX
MIN	---	---	---	---	---	---	274.033	274.008	273.954	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 58 N
LONG 97 48 11 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA.
72 5 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO 05LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 3188	0 7788	32 1	15 8	8 50	30 9	7 45	6 25	---	---	1
2	---	---	0 3188	0 7378	31 8	17 1	8 55	28 0	7 36	7 75	---	---	
3	---	---	0 3188	0 9098	31 5	17 4	10 5	25 0 A	7 28	7 70	---	---	2
4	---	---	0 3188	1 55 B	30 8	17 7	12 1	22 6	9 04	7 87	---	---	3
5	---	---	0 3188	4 11 B	30 5	17 2	14 4	20 0	10 8	9 32	---	---	4
6	---	---	0 3188	9 30 B	20 0	16 4	16 9	18 3	11 9		---	---	5
7	---	---	0 3188	12 7 B	19 6	15 8	21 8	16 7	12 2	10 9	---	---	
8	---	---	0 3048	20 0 B	19 1	14 7	24 5	15 3	12 0	12 0	---	---	6
9	---	---	0 3048	23 7 B	17 6	13 7	25 8	13 6	12 3	13 8	---	---	7
10	---	---	0 3048	26 5 B	16 8	12 7	26 4	12 3	12 4	15 6	---	---	8
11	---	---	0 3048	29 6 B	15 4	12 4	27 1	12 2	12 7	15 8	---	---	9
12	---	---	0 3108	32 2 B	15 1	12 0	27 9	12 4	12 5	15 9	---	---	10
13	---	---	0 3108	33 3 B	15 8	11 7	29 5	12 6	12 1	16 4	---	---	11
14	---	---	0 3228	31 4 B	15 0	10 7	32 1	12 2	11 7	17 2	---	---	12
15	---	---	0 3348	30 6 B	14 7	9 48	34 2	11 9	10 9	17 4	---	---	13
16	---	---	0 3468	26 4	13 8	8 55	36 6	11 6	10 5	17 5	---	---	14
17	---	---	0 3708	24 9	12 9	9 38	40 5	11 3	11 2	17 7	---	---	15
18	---	---	0 3948	23 9	12 2	9 33	41 6	11 8	12 9	17 8	---	---	16
19	---	---	0 4128	23 6	11 7	8 82	42 7	12 4	13 3	17 2	---	---	17
20	---	---	0 4308	23 3	11 4	8 12	42 9	13 6	13 0	15 6	---	---	18
21	---	---	0 4728	23 0	10 7	7 52A	42 5	14 9	12 4	16 2	---	---	19
22	---	---	1 00 B	23 1	10 1	8 51	42 7	15 3	11 9	15 9	---	---	20
23	---	---	1 49 B	23 3	9 45	10 1	42 7	15 0	11 1	15 6	---	---	21
24	---	---	1 78 B	23 3	9 87	9 93	42 1	14 3	10 5	15 4	---	---	22
25	---	---	1 90 B	23 5	9 03	9 88	43 0	13 3	9 83	15 0	---	---	23
26	---	---	1 75 B	23 4	9 32	9 30	41 9	12 3	9 42	14 5	---	---	24
27	---	---	1 81 B	23 4	9 10	8 84	40 8	11 5	9 31	14 4	---	---	25
28	---	---	1 71 B	23 6	9 51	7 88	38 4	10 8	9 06	14 1	---	---	26
29	---		1 46 B	22 8	12 7	7 17	37 4	9 82	8 73	14 1	---	---	27
30	---		1 11 B	22 1	15 0	8 24	36 3	9 05	8 33	13 6	---	---	28
31	---		0 8788		15 7		33 2	8 39		13 4	---	---	29
TOTAL	---	---	21 782	611 782	459 08	345 05	983 85	459 36	325 20	438 78	---	---	30
MEAN	---	---	0 703	20 4	14 8	11 5	31 1	14 8	10 8	14 2	---	---	31
MAX	---	---	1 90	32 3	22 1	17 7	43 0	30 9	13 3	17 7	---	---	TOTAL
MIN	---	---	0 304	0 737	8 87	8 24	8 50	8 39	7 28	7 70	---	---	MEAN
													MAX
													MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 14 8
MAXIMUM DAILY 43 0 ON JUL 25
MINIMUM DAILY 0 3048 ON MAR 8
MAXIMUM INSTANTANEOUS
43 2 AT 12 27 CST ON JUL 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 15 N
LONG 101 06 30 W
DRAINAGE AREA 3 530 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	83 300
FEB	---	AUG	39 700
MAR	1 880	SEP	28 100
APR	53 800	OCT	37 800
MAY	39 700	NOV	---
JUN	29 800	DEC	---

TOTAL DISCHARGE 313 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO 04AA002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187 387	187 350	187 329	187 290	187 349	187 467	187 439	187 465	187 352	187 171	187 069	187 057	
2	187 388	187 349	187 336	187 295	187 385	187 506	187 432	187 465	187 328	187 169	187 077	187 061	2
3	187 389	187 347	187 334	187 296	187 382	187 523	187 440	187 461	187 315	187 165	187 077	187 073	3
4	187 386	187 346	187 336	187 295	187 372	187 529	187 426	187 460	187 308	187 157	187 090	187 080	4
5	187 389	187 347	187 340	187 298	187 360	187 502	187 417	187 469	187 310	187 178	187 108	187 078	5
6	187 387	187 348	187 338	187 286	187 351	187 490	187 457	187 483	187 306	187 152	187 077	187 082	6
7	187 385	187 348	187 337	187 281	187 398	187 483	187 489	187 458	187 307	187 142	187 081	187 078	7
8	187 384	187 348	187 333	187 287	187 405	187 489	187 491	187 463	187 300	187 133	187 081	187 075	8
9	187 384	187 347	187 328	187 282	187 404	187 493	187 490	187 470	187 295	187 174	187 054	187 078	9
10	187 383	187 347	187 325	187 286	187 407	187 489	187 496	187 464	187 286	187 187	187 058	187 085	10
11	187 383	187 347	187 323	187 285	187 418	187 485	187 499	187 434	187 287	187 117	187 058	187 091	11
12	187 383	187 343	187 322	187 282	187 418	187 494	187 506	187 464	187 284	187 111	187 058	187 091	12
13	187 383	187 340	187 321	187 249	187 431	187 502	187 509	187 478	187 284	187 130	187 052	187 089	13
14	187 383	187 338	187 319	187 244	187 418	187 539	187 510	187 437	187 285	187 108	187 048	187 088	14
15	187 383	187 331	187 313	187 243	187 416	187 493	187 513	187 427	187 278	187 096	187 093	187 084	15
16	187 383	187 332	187 309	187 243	187 423	187 471	187 511	187 417	187 286	187 087	187 073	187 078	16
17	187 383	187 332	187 307	187 248	187 420	187 498	187 517	187 417	187 286	187 084	187 070	187 077	17
18	187 383	187 332	187 308	187 248	187 424	187 510	187 516	187 420	187 250	187 101	187 072	187 081	18
19	187 383	187 332	187 308	187 254	187 423	187 472	187 509	187 424	187 243	187 087	187 073	187 082	19
20	187 381	187 332	187 308	187 278	187 427	187 487	187 521	187 429	187 238	187 092	187 087	187 093	20
21	187 348	187 332	187 308	187 282	187 418	187 447	187 533	187 438	187 242	187 084	187 083	187 087	21
22	187 345	187 330	187 305	187 281	187 425	187 455	187 528	187 440	187 248	187 077	187 088	187 073	22
23	187 344	187 330	187 304	187 287	187 423	187 472	187 529	187 407	187 243	187 071	187 086	187 078	23
24	187 344	187 331	187 302	187 300	187 416	187 484	187 520	187 397	187 232	187 102	187 082	187 071	24
25	187 346	187 331	187 282	187 308	187 415	187 485	187 515	187 383	187 213	187 102	187 083	187 074	25
26	187 347	187 330	187 282	187 318	187 418	187 478	187 514	187 381	187 192	187 087	187 087	187 080	26
27	187 345	187 329	187 283	187 328	187 418	187 468	187 503	187 389	187 185	187 075	187 070	187 078	27
28	187 344	187 328	187 285	187 339	187 408	187 483	187 505	187 387	187 180	187 070	187 070	187 078	28
29	187 345		187 295	187 344	187 427	187 451	187 495	187 388	187 189	187 089	187 085	187 073	29
30	187 349		187 294	187 345	187 434	187 447	187 481	187 432	187 178	187 088	187 081	187 081	30
31	187 351		187 282		187 433		187 488	187 388		187 085		187 079	31
MEAN	187 382	187 336	187 314	187 282	187 409	187 485	187 494	187 432	187 284	187 114	187 087	187 079	MEAN
MAX	187 387	187 350	187 340	187 345	187 434	187 539	187 533	187 465	187 352	187 189	187 108	187 093	MAX
MIN	187 344	187 329	187 282	187 243	187 349	187 447	187 417	187 388	187 178	187 085	187 048	187 057	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 187 302
MAXIMUM DAILY 187 539 ON JUN 14
MINIMUM DAILY 187 048 ON NOV 14
MAXIMUM INSTANTANEOUS
187 603 AT 12 17 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 57 10 N
LONG 95 16 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183 585 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

PANSY DRAIN NEAR SARTO - STATION NO 05QE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 0188	0 038	0 015	---	---	---	---	---	---	1
2	---	---	0 B	0 0108	0 036	0 010	---	---	---	---	---	---	2
3	---	---	0 B	0 3408	0 031	0 008	---	---	---	---	---	---	3
4	---	---	0 B	0 870	0 028	0 005	---	---	---	---	---	---	4
5	---	---	0 B	1 00	0 023	0 003	---	---	---	---	---	---	5
6	---	---	0 B	1 33	0 020	0 003	---	---	---	---	---	---	6
7	---	---	0 B	1 42	0 017	0 003	---	---	---	---	---	---	7
8	---	---	0 B	1 13	0 013	0 002	---	---	---	---	---	---	8
9	---	---	0 B	0 852	0 010	0	---	---	---	---	---	---	9
10	---	---	0 B	0 780	0 008	0 001	---	---	---	---	---	---	10
11	---	---	0 B	0 822	0 008	0 003	---	---	---	---	---	---	11
12	---	---	0 B	0 588	0 004	0 002	---	---	---	---	---	---	12
13	---	---	0 B	0 532	0 003	0 002	---	---	---	---	---	---	13
14	---	---	0 B	0 400	0 004	0	---	---	---	---	---	---	14
15	---	---	0 B	0 308	0 002	0	---	---	---	---	---	---	15
16	---	---	0 0408	0 282	0 002	0	---	---	---	---	---	---	16
17	---	---	0 0808	0 223	0 005	0	---	---	---	---	---	---	17
18	---	---	0 1208	0 183	0 003	0	---	---	---	---	---	---	18
19	---	---	0 1608	0 164	0 002	0	---	---	---	---	---	---	19
20	---	---	0 2008	0 138	0 002	0	---	---	---	---	---	---	20
21	---	---	0 1758	0 118	0 022	0	---	---	---	---	---	---	21
22	---	---	0 1508	0 088	0 019	0	---	---	---	---	---	---	22
23	---	---	0 1258	0 068	0 013	0	---	---	---	---	---	---	23
24	---	---	0 1008	0 075	0 009	0	---	---	---	---	---	---	24
25	---	---	0 0758	0 057	0 007	0	---	---	---	---	---	---	25
26	---	---	0 0508	0 080	0 010	0	---	---	---	---	---	---	26
27	---	---	0 0448	0 053	0 027	0	---	---	---	---	---	---	27
28	---	---	0 0388	0 046	0 037	0	---	---	---	---	---	---	28
29	---		0 0328	0 042	0 038	0	---	---	---	---	---	---	29
30	---		0 0268	0 038	0 032	0	---	---	---	---	---	---	30
31	---		0 0208		0 023		---	---		---	---	---	31
TOTAL	---	---	1 435	11 730	0 481	0 057	---	---	---	---	---	---	TOTAL
MEAN	---	---	0 046	0 391	0 016	0 002	---	---	---	---	---	---	MEAN
MAX	---	---	0 200	1 42	0 038	0 015	---	---	---	---	---	---	MAX
MIN	---	---	0	0 010	0 002	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 112
MAXIMUM DAILY 1 42 ON APR 7
MINIMUM DAILY 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS
1 74 AT 00 43 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 96 43 53 W
DRAINAGE AREA 29 5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 2 4	SEP	---
APR	1 0 1 0	OCT	---
MAY	4 2 4	NOV	---
JUN	4 9 2	DEC	---

TOTAL DISCHARGE 1 1 8 0 dam³

PARTRIDGE CREEK NEAR ST MARTIN - STATION NO 05LM002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	244 535	244 018	---	---	---	---	---	1
2	---	---	---	---	---	244 538	243 937A	---	---	---	---	---	2
3	---	---	---	---	---	244 510	---	---	---	---	---	---	3
4	---	---	---	---	---	244 482	---	---	---	---	---	---	4
5	---	---	---	---	---	244 474	---	---	---	---	---	---	5
6	---	---	---	---	---	244 459	---	---	---	---	---	---	6
7	---	---	---	---	---	244 439	---	---	---	---	---	---	7
8	---	---	---	245 071A	---	244 432	---	---	---	---	---	---	8
9	---	---	---	244 888	---	244 440	---	---	---	---	---	---	9
10	---	---	---	244 508	---	244 444	---	---	---	---	---	---	10
11	---	---	---	244 471	---	244 428	---	---	---	---	---	---	11
12	---	---	---	244 454	---	244 409	---	---	---	---	---	---	12
13	---	---	---	244 487	---	244 402	---	---	---	---	---	---	13
14	---	---	---	244 471	---	244 380	---	---	---	---	---	---	14
15	---	---	---	244 474A	---	244 372	---	---	---	---	---	---	15
16	---	---	---	---	---	244 345	---	---	---	---	---	---	16
17	---	---	---	---	---	244 317	---	---	---	---	---	---	17
18	---	---	---	---	---	244 276	---	---	---	---	---	---	18
19	---	---	---	---	---	244 267	---	---	---	---	---	---	19
20	---	---	---	---	244 485A	244 253	---	---	---	---	---	---	20
21	---	---	---	---	244 358	244 252	---	---	---	---	---	---	21
22	---	---	---	---	244 383	244 250	---	---	---	---	---	---	22
23	---	---	---	---	244 392	244 238	---	---	---	---	---	---	23
24	---	---	---	---	244 425	244 221	---	---	---	---	---	---	24
25	---	---	---	---	244 458	244 160	---	---	---	---	---	---	25
26	---	---	---	---	244 488	244 088	---	---	---	---	---	---	26
27	---	---	---	---	244 480	244 082	---	---	---	---	---	---	27
28	---	---	---	---	244 470	244 048	---	---	---	---	---	---	28
29	---		---	---	244 494	244 018	---	---	---	---	---	---	29
30	---		---	---	244 499	244 015	---	---	---	---	---	---	30
31	---		---	---	244 517		---	---		---	---	---	31
MEAN	---	---	---	---	---	244 320	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	244 538	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	244 015	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 30 N
LONG 96 39 30 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA
142 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PELICAN CREEK SOUTH TRIBUTARY NEAR BIRNIE - STATION NO 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.0178	0.035	0.021	0.012	0.002	0.001	0.002	0	---	1
2	---	---	0.0088	0.0188	0.033	0.020	0.016	0.001	0.001	0.002	0	---	2
3	---	---	0.0088	0.0218	0.031	0.017	0.014	0.001	0	0.002	---	---	3
4	---	---	0.0088	0.0788	0.031	0.015	0.013	0.001	0	0.003	---	---	4
5	---	---	0.0248	0.1698	0.029	0.015	0.015	0.001	0.001	0.003	---	---	5
6	---	---	0.0508	0.3388	0.027	0.017	0.018	0.001	0.001	0.003	---	---	6
7	---	---	0.0358	0.4918	0.027	0.018	0.015	0	0.001	0.003	---	---	7
8	---	---	0.0288	0.4858	0.028	0.015	0.014	0	0.001	0.002	---	---	8
9	---	---	0.0238	0.480	0.023	0.015	0.015	0	0.002	0.003	---	---	9
10	---	---	0.0198	0.457	0.023	0.014	0.014	0.001	0.002	0.003	---	---	10
11	---	---	0.0158	0.257	0.026	0.015	0.013	0.002	0.002	0.003	---	---	11
12	---	---	0.0108	0.207	0.022	0.014	0.013	0.001	0.004	0.002	---	---	12
13	---	---	0.0088	0.188	0.021	0.011E	0.012	0.001	0.003	0.002	---	---	13
14	---	---	0.0078	0.165	0.021	0.009E	0.014	0.004	0.003	0.002	---	---	14
15	---	---	0.0078	0.152	0.021	0.008E	0.013	0.004	0.002	0.002	---	---	15
16	---	---	0.0078	0.141	0.020	0.008A	0.012	0.003	0.002	0.002	---	---	16
17	---	---	0.0078	0.106	0.020	0.007	0.011	0.002	0.002	0.002	---	---	17
18	---	---	0.0088	0.091	0.018	0.008	0.011	0.002	0.003	0.003	---	---	18
19	---	---	0.0088	0.085	0.018	0.008	0.008	0.002	0.002	0.003	---	---	19
20	---	---	0.0088	0.080	0.018	0.008	0.007	0.002	0.002	0.003	---	---	20
21	---	---	0.0088	0.072	0.017	0.008	0.008	0.002	0.001	0.003	---	---	21
22	---	---	0.0158	0.068	0.018	0.008	0.008	0.002	0.001	0.003	---	---	22
23	---	---	0.0178	0.080	0.017	0.008	0.008	0.002	0.001	0.003	---	---	23
24	---	---	0.0538	0.085	0.017	0.004	0.004	0.002	0.002	0.003	---	---	24
25	---	---	0.0488	0.051	0.017	0.004	0.004	0.002	0.002	0.002	---	---	25
26	---	---	0.0378	0.046	0.017	0.003	0.004	0.003	0.002	0.003	---	---	26
27	---	---	0.0308	0.041	0.017	0.008	0.003A	0.004	0.003	0.002	---	---	27
28	---	---	0.0258	0.038	0.031	0.008	0.003A	0.003	0.003	0.002	---	---	28
29	---		0.0208	0.038	0.048	0.004	0.001	0.003	0.003	0.002	---	---	29
30	---		0.0178	0.038	0.031	0.008	0.002	0.002	0.003	0.002	---	---	30
31	---		0.0178		0.024		0.003	0.001		0.002		---	31
TOTAL	---	---	0.585	4.537	0.745	0.259	0.300	0.057	0.056	0.077	---	---	TOTAL
MEAN	---	---	0.018	0.151	0.024	0.010	0.010	0.002	0.002	0.002	---	---	MEAN
MAX	---	---	0.053	0.491	0.048	0.021	0.016	0.004	0.004	0.003	---	---	MAX
MIN	---	---	0.008	0.018	0.017	0.003	0.001	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.027
MAXIMUM DAILY, 0.4918 ON APR 7
MINIMUM DAILY, 0 ON AUG 7
MAXIMUM INSTANTANEOUS,
0.6838 AT 20:45 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 35 N
LONG 99 29 05 W
DRAINAGE AREA, 9.05 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25.9
FEB	---	AUG	4.92
MAR	48.8	SEP	4.84
APR	392	OCT	6.65
MAY	64.5	NOV	---
JUN	25.8	DEC	---

TOTAL DISCHARGE 573 dam³

PELICAN LAKE NEAR NINETTE - STATION NO. 05GA802

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	411.543E	411.535	411.375	411.345	411.372E	411.303E	411.258	---	1
2	---	---	---	---	411.543E	411.535E	411.355E	411.345	411.388E	411.290	411.258	---	2
3	---	---	411.280	---	411.543E	411.535	411.335	411.345E	411.385	411.270E	411.258	---	3
4	---	---	---	---	411.543	411.515E	411.335	411.345	411.385	411.250	411.228	---	4
5	---	---	---	---	411.543	411.495	411.335E	411.385	411.385	411.240	411.248	---	5
6	---	---	---	---	411.540E	411.485	411.335	411.345	411.385	411.240	411.228	---	6
7	411.200	---	---	---	411.538E	411.485	411.335	411.335	411.335	411.240	411.248	---	7
8	---	---	---	411.448	411.533	411.475	411.335	411.335	411.385	411.275E	411.243E	---	8
9	---	---	---	---	411.530	411.475	411.335	411.335	411.335	411.270	411.238	---	9
10	---	411.230	---	---	411.524	411.475	411.385	411.328E	411.330	411.270	411.238	---	10
11	---	---	---	---	411.524	411.475	411.385	411.322E	411.330	411.270	411.233E	---	11
12	---	---	---	---	411.522E	411.468	411.370	411.315	411.330	411.230	411.228	---	12
13	---	---	---	---	411.521E	411.485	411.370	411.315E	411.330	411.220	411.228	---	13
14	---	---	---	---	411.519	411.485	411.370E	411.315	411.330E	411.285	411.228	---	14
15	---	---	---	---	411.524	411.450E	411.370E	411.435	411.330	411.263E	411.228	---	15
16	---	---	---	---	411.524E	411.435	411.370	411.425	411.330	411.240	411.228	411.230	16
17	---	---	411.258	---	411.524E	411.438E	411.370	411.425	411.330	411.238E	411.228	---	17
18	---	---	---	---	411.524	411.440	411.375	411.415	411.330	411.230	411.228	---	18
19	---	---	---	---	411.494	411.435	411.375	411.425	411.330	411.228E	411.228E	---	19
20	---	---	---	---	411.498E	411.425	411.345	411.420	411.330	411.220	411.228E	---	20
21	---	---	---	---	411.498	411.435	411.362	411.405	411.330	411.235E	411.228E	---	21
22	---	---	---	411.547	411.498	411.400E	411.385	411.405	411.330	411.250	411.228E	---	22
23	---	---	---	411.582	411.495	411.345	411.375	411.405	411.330	411.230	411.229E	---	23
24	---	---	---	411.582	411.498E	411.375	411.375	411.405	411.330	411.250	411.229E	---	24
25	---	---	411.290	411.582	411.498E	411.388	411.375	411.385	411.330E	411.260	411.229E	---	25
26	---	---	---	411.587E	411.495	411.385	411.385	411.385	411.330	411.225	411.229	---	26
27	---	---	---	411.582	411.505	411.338	411.385	411.385	411.330	411.237E	411.228E	---	27
28	---	---	---	411.583	411.495	411.375	411.345	411.385	411.320E	411.247E	411.229E	---	28
29	411.210		---	411.543	411.495	411.375	411.345	411.385	411.310	411.258	411.229E	---	29
30	---		---	411.525	411.375	411.345	411.375	411.315	411.258	411.229E	---	30
31	---		---		411.530E		411.345	411.375		411.258E		---	31
MEAN	---	---	---	---	411.518	411.443	411.357	411.373	411.337	411.264	411.234	---	MEAN
MAX	---	---	---	---	411.543	411.535	411.375	411.435	411.372	411.303	411.258	---	MAX
MIN	---	---	---	---	411.494	411.335	411.335	411.315	411.310	411.220	411.228	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 99 36 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1927

DRAINAGE AREA,
485 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.63 B	0.444E	0.018	0	0	0.055	0.095	---	---	1
2	---	---	0 B	8.01 B	0.384E	0.018	0	0	0.044	0.089	---	---	2
3	---	---	0 B	9.27 B	0.323E	0.013	0	0	0.031	0.091	---	---	3
4	---	---	0.8008 B	9.84 B	0.263A	0.010	0	0	0.025	0.098	---	---	4
5	---	---	1.25 B	8.10	0.234	0.008	0	0	0.024	0.090	---	---	5
6	---	---	2.25 B	7.12	0.198	0.007	0	0	0.022	0.084	---	---	6
7	---	---	2.50 B	6.67	0.185	0.005	0	0	0.021	0.085	---	---	7
8	---	---	2.25 B	4.65	0.187	0.001	0	0	0.015	0.093	---	---	8
9	---	---	2.10 B	4.01	0.143	0.001	0	0	0.008	0.088	---	---	9
10	---	---	1.92 B	3.37	0.126	0.001	0	0	0.018	0.098	---	---	10
11	---	---	1.84 B	2.79	0.118	0.002	0	0	0.018	0.098	---	---	11
12	---	---	1.26 B	2.38	0.116	0.001	0	0	0.020	0.098	---	---	12
13	---	---	1.12 B	2.08	0.110	0.002	0	0	0.021	0.104	---	---	13
14	---	---	0.9808 B	1.88	0.111	0	0	0.728	0.023	0.102	---	---	14
15	---	---	0.8408 B	1.89	0.126	0	0	1.84	0.015	0.104	---	---	15
16	---	---	0.8898 B	1.53	0.142	0	0	1.24	0.008	0.098	---	---	16
17	---	---	0.8808 B	1.43	0.151	0	0	1.28	0.009	0.095	---	---	17
18	---	---	0.8808 B	1.32	0.144	0	0	1.07	0.011	0.087	---	---	18
19	---	---	1.50 B	1.22	0.138	0	0	0.810	0.016	0.104	---	---	19
20	---	---	8.00 B	1.13	0.138	0	0	0.659	0.001	0.107	---	---	20
21	---	---	12.0 B	1.05	0.162	0	0	0.545	0.004	0.109	---	---	21
22	---	---	16.0 B	0.9858A	0.186	0	0	0.407	0.012	0.101	---	---	22
23	---	---	17.0 B	0.9258E	0.165	0	0	0.326	0.022	0.099	---	---	23
24	---	---	12.4 B	0.8858E	0.183	0	0	0.252	0.032	0.098	---	---	24
25	---	---	9.78 B	0.8058E	0.140	0	0	0.197	0.044	0.094	---	---	25
26	---	---	7.83 B	0.7458E	0.123	0	0	0.158	0.059	0.082	---	---	26
27	---	---	6.00 B	0.6858E	0.114	0	0	0.155	0.078	0.085	---	---	27
28	---	---	5.80 B	0.6258E	0.094	0	0	0.118	0.078	0.083	---	---	28
29	---	---	5.80 B	0.5848E	0.067	0	0	0.084	0.082	0.083	---	---	29
30	---	---	5.77 B	0.5048E	0.041	0	0	0.081	0.092	0.080	---	---	30
31	---		4.42 B		0.018		0	0.073		0.077	---	---	31
TOTAL	---	---	134.558	90.855	5.015	0.084	0	9.823	0.904	2.914	---	---	TOTAL
MEAN	---	---	4.34	3.03	0.182	0.003	0	0.317	0.030	0.094	---	---	MEAN
MAX	---	---	19.0	9.84	0.444	0.018	0	1.84	0.092	0.108	---	---	MAX
MIN	---	---	0	0.504	0.018	0	0	0	0.001	0.077	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.997
MAXIMUM DAILY 19.0B ON MAR 22
MINIMUM DAILY 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 15 50 N
LONG 99 27 44 W
DRAINAGE AREA 542 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	849
MAR	11 600	SEP	78.1
APR	7 850	OCT	252
MAY	433	NOV	---
JUN	7.26	DEC	---

TOTAL DISCHARGE 21 100 dam³

PEMBINA RIVER AT NECHE - STATION NO 05DC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3118	0.2048	0.2838	3.208	42.8	12.5	4.11	1.95	1.78	2.01E	1.47	0.736	1
2	0.3118	0.2048	0.2838	3.318	40.2	11.9	4.05	1.88	1.67	2.04E	1.47	0.736	2
3	0.3118	0.1888	0.2838	5.158	37.9	11.3	3.84	1.84	1.84	2.01E	1.47	0.736	3
4	0.3408	0.1708	0.2838	8.278	35.8E	10.8	3.77	1.70	1.67	1.88E	1.47	0.708	4
5	0.3888	0.1898	0.3408	31.78	35.7E	10.3	3.57	1.59	1.67	1.93E	1.42	0.708	5
6	0.3888	3.40 B	0.3888	66.8 B	34.5E	10.2	3.37	1.50	1.78	2.01E	1.30	0.736	6
7	0.4258	1.70 B	0.5888	130 B	33.4E	10.0	3.23	1.47	1.78	2.01	1.25	0.736	7
8	0.4258	1.62 B	0.9638	114 B	32.3E	9.49	3.09	1.44	1.73	2.04	0.849	0.708	8
9	0.4258	1.30 B	1.81 B	84.9 B	31.1E	9.08	3.00	1.39	1.70	1.90	0.708	0.680	9
10	0.4258	0.8808	1.27 B	91.5	30.0E	8.52	3.11	1.30	1.73	1.93	0.785	0.680	10
11	0.4258	0.3188	0.7388	77.6	28.9E	8.33	3.14	1.25	1.78	2.01	0.934	0.680	11
12	0.4538	0.2108	0.7088	85.7 E	27.8E	8.18	3.80	1.30	1.81	2.10	1.39	0.651	12
13	0.4538	0.2218	0.7388	81.4 E	26.6E	7.82	4.42	1.19	1.84	2.12	1.59	0.651	13
14	0.5108	0.2278	0.6808	57.2 E	25.5E	7.42	3.86	1.13	1.90	2.10	1.47	0.538	14
15	0.7088	0.2278	0.6238	53.8 E	24.6E	6.99	3.57	1.27E	1.87	2.01	1.47	0.5108	15
16	0.6238	0.2278	0.5858	55.5	23.8E	6.80	3.40	1.42E	1.87E	2.01	1.42	0.5858	16
17	0.5668	0.2278	0.5858	57.5	22.9E	6.60	3.51	1.58E	1.87E	1.95	1.19	0.7088	17
18	0.4618	0.2278	1.05 B	58.6	22.1E	6.28	3.28	1.73	1.93E	1.87	0.453	0.7388	18
19	0.3968	0.2278	1.59 B	59.5	21.2E	6.14	3.40	1.53	2.15E	1.81	0.708	0.6808	19
20	0.3888	0.2278	1.81 B	60.8	20.4E	5.89	3.40	1.53	2.10E	1.75	0.623	0.5958	20
21	0.3888	0.2418	1.84 B	61.2	19.5E	5.75	3.85	2.32	2.04E	1.73	0.651	0.5108	21
22	0.3888	0.2448	1.84 B	60.3	18.4E	5.55	3.48	2.85	1.88E	1.70	0.651	0.4538	22
23	0.3408	0.2468	1.80 B	58.6	17.3E	5.55	3.00	2.89	1.81E	1.70	0.708	0.3968	23
24	0.3118	0.2488	1.13 B	57.5	16.4E	5.47	2.83	2.52	1.84E	1.70	0.785	0.3688	24
25	0.2838	0.2528	1.02 B	56.1	15.9E	5.24	2.69	2.27	1.84E	1.70	0.765	0.3118	25
26	0.2838	0.2558	3.23 B	54.1	15.3E	4.87	2.55	2.15	1.81E	1.70	0.736	0.3118	26
27	0.2698	0.2888	3.79 B	51.8	15.0E	4.70	2.41	2.07	1.81E	1.70	0.736	0.2588	27
28	0.2618	0.2838	3.20 B	49.6	14.7E	4.47	2.29	2.04	1.81E	1.54	0.736	0.2498	28
29	0.2488		3.60 B	47.0	14.2	4.30	2.12	1.84	1.87E	1.61	0.736	0.2498	29
30	0.2298		3.28 B	44.7	13.1	4.22	2.01	1.75	1.98E	1.55	0.736	0.2158	30
31	0.2078		3.34 B		12.7		1.95	1.81		1.47		0.1938	31
TOTAL	11.913	13.708	42.570	1687.13	771.0	224.85	99.90	58.20	55.04	57.81	30.840	16.992	TOTAL
MEAN	0.384	0.490	1.37	56.8	24.9	7.49	3.22	1.75	1.83	1.86	1.02	0.548	MEAN
MAX	0.708	3.40	3.79	130	42.8	12.5	4.42	2.89	2.15	2.12	1.59	0.736	MAX
MIN	0.207	0.158	0.283	3.20	12.7	4.22	1.95	1.13	1.84	1.47	0.453	0.193	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 8.43
MAXIMUM DAILY 130B ON APR 7
MINIMUM DAILY 0.158B ON FEB 5
MAXIMUM INSTANTANEOUS
156B AT 20 00 CST ON APR 7

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA 8 470 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 030	JUL	8 630
FEB	1 180	AUG	4 680
MAR	3 580	SEP	4 750
APR	147 000	OCT	4 930
MAY	66 500	NOV	2 650
JUN	19 400	DEC	1 470

TOTAL DISCHARGE 266 000 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO 05CB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0278	0.0328	0.0308	10.28	16.5	2.90	0.060	0.038	2.24	0.947	0.235	0.0838	1
2	0.0286	0.0328	0.0298	15.69	15.8	2.78	0.050	0.030	2.12	0.896	0.088	0.0788	2
3	0.0305	0.0328	0.0298	21.18	15.0	2.51	0.040	0.025	1.96	0.738	0.054	0.0818	3
4	0.0308	0.0318	0.0298	24.8	14.4	1.78	0.033	0.021	2.00	0.805	0.062	0.0788	4
5	0.0288	0.0318	0.0538	35.0	13.7	1.52	0.030	0.021	1.95	0.784	0.054	0.0748	5
6	0.0298	0.0318	0.0658	57.1	12.8	1.40	0.034	0.028	1.83	0.293	0.057	0.0888	6
7	0.0308	0.0318	0.0348	57.5	12.0	1.25	0.033	0.028	1.78	0.210	0.084	0.0858	7
8	0.0318	0.0318	0.0568	58.6	11.4	1.21	0.026	0.029	1.86	0.126	0.087	0.0888	8
9	0.0318	0.0318	0.0288	60.5	10.7	1.10	0.033	0.034	1.53	0.105	0.113	0.0858	9
10	0.0318	0.0318	0.0388	59.0	9.78	1.03	0.053	0.026	1.49	0.074	0.092	0.0638	10
11	0.0318	0.0318	0.0338	55.7	9.28	1.06	0.041	0.024	1.48	0.067	0.103	0.0628	11
12	0.0298	0.0318	0.0298	52.5	8.54	0.828	0.037	0.030	1.44	0.074	0.110	0.0588	12
13	0.0228	0.0318	0.0328	49.0	8.03	0.729	0.030	0.054	1.37	0.168	0.117	0.0558	13
14	0.0228	0.0318	0.0308	46.2	7.34	0.683	0.033	0.198	1.31	0.083	0.104	0.0548	14
15	0.0328	0.0318	0.0288	43.4	8.01	0.988	0.029	0.501	1.29	0.089	0.117	0.0528	15
16	0.0368	0.0318	0.0288	40.6	5.56	0.852	0.031	0.833	1.24	0.089	0.114	0.0528	16
17	0.0398	0.0318	0.0328	38.2	4.96	0.534	0.029	0.387	1.38	0.099	0.108	0.0508	17
18	0.0418	0.0318	0.0978	36.2	4.47	0.525	0.033	0.488	1.41	0.110	0.103	0.0498	18
19	0.0308	0.0318	0.1868	34.3	4.08	0.627	0.044	0.844	1.31	0.114	0.1038	0.0488	19
20	0.0328	0.0318	0.1448	32.3	3.98	0.468	0.037	1.26	1.25	0.113	0.1118	0.0478	20
21	0.0328	0.0318	0.1098	30.1	3.93	0.398	0.021	1.73	1.17	0.113	0.1038	0.0458	21
22	0.0328	0.0318	0.0848	28.3	3.82	0.382	0.043	2.28	1.13	0.138	0.0988	0.0448	22
23	0.0328	0.0308	0.0748	26.6	3.33	0.376	0.042	2.37	1.15	0.133	0.1088	0.0438	23
24	0.0328	0.0308	0.1478	25.2	3.11	0.358	0.034	2.34	1.08	0.143	0.1338	0.0428	24
25	0.0328	0.0308	0.4438	24.2	2.86	0.335	0.032	2.39	1.03	0.182	0.0898	0.0408	25
26	0.0328	0.0308	0.4108	23.3	2.70	0.298	0.029	2.40	0.986	0.128	0.1088	0.0398	26
27	0.0328	0.0308	1.67 B	22.1	2.72	0.223	0.028	2.51	0.928	0.083	0.1128	0.0388	27
28	0.0328	0.0308	4.30 B	20.8	2.67	0.159	0.028	2.52	1.00	0.111	0.1008	0.0358	28
29	0.0328		5.96 B	19.1	2.84	0.103	0.028	2.49	1.03	0.142	0.1028	0.0338	29
30	0.0328		5.41 B	17.8	2.59	0.060	0.034	2.69	0.948	0.179	0.0868	0.0288	30
31	0.0328		7.58 B		2.46		0.039	2.47		0.181		0.0258	31
TOTAL	0.983	0.865	28.215	1 084.8	226.94	28.928	1.104	30.901	42.450	7.471	3.053	1.888	TOTAL
MEAN	0.031	0.031	0.910	35.5	7.32	0.888	0.036	0.997	1.42	0.241	0.102	0.064	MEAN
MAX	0.041	0.032	7.58	60.5	16.5	2.78	0.060	2.69	2.24	0.947	0.235	0.093	MAX
MIN	0.022	0.030	0.028	10.2	2.46	0.060	0.026	0.021	0.928	0.067	0.054	0.025	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.93
MAXIMUM DAILY, 60.5 ON APR 8
MINIMUM DAILY, 0.021 ON AUG 4
MAXIMUM INSTANTANEOUS,
83.6 AT 14:38 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 98 02 03 W
DRAINAGE AREA, 6 490 km²

B - ICE CONDITIONS

REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	83.2	JUL	95.4
FEB	74.7	AUG	2 670
MAR	2 440	SEP	3 870
APR	92 000	OCT	645
MAY	19 600	NOV	264
JUN	2 330	DEC	144

TOTAL DISCHARGE, 124 000 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO 05DA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.77	0.088	0.033	0	0.001	0.008	0	---	---	1
2	---	---	0 B	4.81	0.089	0.029	0	0.001	0.010	0	---	---	2
3	---	---	0 B	4.26	0.103	0.028	0	0.001	0.009	0	---	---	3
4	---	---	0.5008	4.63	0.107	0.031	0	0.006	0.004	0	---	---	4
5	---	---	1.00 B	4.54	0.085	0.033	0	0.008	0	0	---	---	5
6	---	---	1.75 B	3.67	0.070	0.033	0	0.008	0	0	---	---	6
7	---	---	1.70 B	3.20	0.074	0.033	0	0.002	0	0	---	---	7
8	---	---	1.85 B	2.95	0.088	0.033	0	0	0	0	---	---	8
9	---	---	1.80 B	2.38	0.108	0.032	0	0	0	0	---	---	9
10	---	---	1.53 B	2.11	0.111	0.028	0	0	0	0	---	---	10
11	---	---	0.9878	1.89	0.118	0.032	0	0	0	0	---	---	11
12	---	---	0.6448	1.61	0.113	0.032	0	0	0	0	---	---	12
13	---	---	0.5058	1.42	0.108	0.027	0	0	0	0	---	---	13
14	---	---	0.2328	1.22	0.104	0.020	0	0.020	0	0	---	---	14
15	---	---	0.1358	1.01	0.105	0.013	0	0.110	0	0	---	---	15
16	---	---	0.0828	0.933	0.100	0.005	0	0.360	0	0	---	---	16
17	---	---	0.0578	0.785	0.108	0.001	0	0.112	0	0	---	---	17
18	---	---	0.0498	0.626	0.098	0	0	0.084	0	0	---	---	18
19	---	---	0.0518	0.539	0.091	0	0	0.081	0	0	---	---	19
20	---	---	0.0738	0.378	0.081	0	0	0.048	0	0	---	---	20
21	---	---	1.03 B	0.212	0.073	0	0	0.039	0	0	---	---	21
22	---	---	12.9 B	0.137	0.082	0	0	0.035	0	0	---	---	22
23	---	---	10.4 B	0.097	0.082	0	0	0.037	0	0.001	---	---	23
24	---	---	7.48 B	0.101	0.056	0	0.001	0.080	0	0.003	---	---	24
25	---	---	4.40 B	0.091	0.052	0	0.002	0.075	0	0.003	---	---	25
26	---	---	3.15 B	0.081	0.047	0	0.002	0.071	0	0.004	---	---	26
27	---	---	3.51 B	0.090	0.043	0	0.001	0.068	0	0.008	---	---	27
28	---	---	2.77 B	0.090	0.035	0	0.002	0.054	0	0.012	---	---	28
29	---		2.80 B	0.082	0.031	0	0.001	0.037	0	0.012	---	---	29
30	---		2.38 B	0.105	0.027	0	0.004	0.018	0	0.008	---	---	30
31	---		2.90 B		0.030		0.004	0.008		0.003		---	31
TOTAL	---	---	86.285	48.897	2.498	0.444	0.017	1.321	0.031	0.080	---	---	TOTAL
MEAN	---	---	2.14	1.82	0.081	0.015	0.001	0.043	0.001	0.002	---	---	MEAN
MAX	---	---	12.9	4.81	0.116	0.033	0.004	0.360	0.010	0.012	---	---	MAX
MIN	---	---	0	0.081	0.027	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.487
MAXIMUM DAILY, 12.98 ON MAR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.18 AT 07:17 CST ON MAR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 38 W
DRAINAGE AREA, 354 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.47
FEB	---	AUG	114
MAR	5 730	SEP	2.68
APR	4 210	OCT	5.18
MAY	216	NOV	---
JUN	38.4	DEC	---

TOTAL DISCHARGE, 10 300 dam³

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05OD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1208	0.1158	0.0378	0.1188	34.0	8.13	2.17	0.758	1.28	1.88	0.888	0.4088	1
2	0.1208	0.1158	0.0358	0.4488	31.9	8.56	2.05	0.892	1.38	1.84	0.847	0.4388	2
3	0.1208	0.1158	0.0438	2.98 B	30.2	8.02	1.93	0.842	1.44	1.80	0.894	0.4988	3
4	0.1208	0.0958	0.0478	12.0 B	28.9	7.88	1.82	0.810	1.43	1.72	0.827	0.5868	4
5	0.1208	0.1218	0.0488	24.4 B	27.7	7.84	1.74	0.805	1.42	1.78	0.771	0.6938	5
6	0.1208	0.1348	0.0708	80.5	26.7	7.46	1.67	0.579	1.40	1.85	0.7708	0.7808	6
7	0.1208	0.1148	0.0838	59.6	26.0	6.94	1.58	0.536	1.45	1.59	0.7408	0.8528	7
8	0.1208	0.0988	0.1008	89.2	25.2	6.45	1.47	0.503	1.51	1.78	0.8918	0.8908	8
9	0.1208	0.0848	0.0748	83.7	24.2	6.14	1.48	0.467	1.50	1.81	0.7888	0.8678	9
10	0.1208	0.0878	0.1188	53.4	23.3	5.93	2.03	0.420	1.59	1.71	0.7878	0.3988	10
11	0.1188	0.1098	0.1728	46.2	22.5	5.67	2.13	0.412	1.58	1.83	0.7858	0.5018	11
12	0.1198	0.0918	0.1858	44.5	21.7	5.37	1.79	0.337	1.81	1.83	0.763	0.4428	12
13	0.1188	0.0888	0.2418	44.4	20.8	5.18	1.62	0.232	1.58	1.58	0.719	0.5428	13
14	0.1188	0.0888	0.2868	48.3	19.8	5.01	1.69	0.473	1.58	1.48	0.688	0.5868	14
15	0.1188	0.0838	0.2258	50.3	18.0	4.86	1.69	0.886	1.55	1.43	0.675	0.5818	15
16	0.1188	0.0808	0.1688	53.1	18.5	4.40	1.55	0.801	1.52	1.40	0.837	0.4718	16
17	0.1188	0.0758	0.1558	54.8	17.8	4.20	1.37	0.892	1.86	1.38	0.597	0.5028	17
18	0.1188	0.0828	0.1888	56.7	16.9	3.92	1.33	2.20	1.57	1.38	0.736	0.5208	18
19	0.1188	0.0878	0.1798	56.2	16.2	3.85	1.40	2.34	1.56	1.28	0.6348	0.4998	19
20	0.1188	0.0818	0.3048	57.8	15.8	3.94	1.28	2.05	1.52	1.21	0.6398	0.4548	20
21	0.1178	0.0858	0.2848	58.2	15.3	3.88	1.17	1.85	1.55	1.17	0.6488	0.3788	21
22	0.1178	0.0638	0.2338	53.7	14.8	3.53	1.18	1.80	1.56	1.18	0.5808	0.2998	22
23	0.1178	0.0518	0.2828	52.4	14.1	3.32	1.18	1.51	1.57	1.18	0.5248	0.2488	23
24	0.1178	0.0558	0.1948	48.3	13.2	3.02	1.14	1.44	1.54	1.17	0.5908	0.2858	24
25	0.1178	0.0848	0.2128	47.4	12.4	2.82	1.10	1.48	1.51	1.13	0.6678	0.1658	25
26	0.1188	0.0628	0.2048	48.0	12.0	2.70	1.04	1.17	1.50	1.08	0.6488	0.2378	26
27	0.1168	0.0428	0.1128	43.2	11.4	2.82	1.01	1.43	1.48	1.02	0.5368	0.2238	27
28	0.1188	0.0388	0.1068	40.3	11.1	2.83	0.932	1.46	1.82	1.01	0.4888	0.2048	28
29	0.1168		0.0888	38.4	10.7	2.36	0.886	1.35	1.88	0.985	0.4438	0.2358	29
30	0.1168		0.0418	38.8	10.1	2.24	0.832	1.31	1.88	0.895	0.4238	0.2338	30
31	0.1158		0.0538		9.52		0.819	1.28		1.03		0.1108	31
TOTAL	3.685	2.342	4.579	1 318.242	801.42	148.79	48.001	32.457	45.72	43.880	20.553	13 385	TOTAL
MEAN	0.118	0.084	0.148	43.9	19.4	4.96	1.45	1.05	1.52	1.41	0.885	0.432	MEAN
MAX	0.120	0.134	0.304	89.2	34.0	8.13	2.17	2.34	1.88	1.84	0.999	0.780	MAX
MIN	0.115	0.039	0.035	0.118	9.52	2.24	0.819	0.232	1.28	0.985	0.423	0.110	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.25
MAXIMUM DAILY, 89.2 ON APR 8
MINIMUM DAILY, 0.0358 ON MAR 2
MAXIMUM INSTANTANEOUS,
72.0 AT 11:29 CST ON APR 8

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 01 53 N
LONG 98 18 40 W
DRAINAGE AREA, 7 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	317	JUL	3 880
FEB	202	AUG	2 800
MAR	395	SEP	3 950
APR	114 000	OCT	3 770
MAY	52 000	NOV	1 780
JUN	12 900	DEC	1 180

TOTAL DISCHARGE, 197 000 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	71.0B	58.8B	51.4E	42.8A	99.5E	153E	123	89.0E	97.2	42 7A	28 8	21 6	1
2	70.5B	57.7B	51.1E	41.9A	101 E	153E	123	88.2E	85 7	41 7A	28 9	21 3	2
3	70.2B	57.5B	50.8E	41.7A	104 E	152E	121	87.2E	84 6	38 0A	28 9	21 1	3
4	69.6B	57.1B	50.8E	41.6A	106 E	152E	119	86.0E	83.5	38 2	28 9	21 1B	4
5	69.5B	56.7B	50.8E	41.9A	109 E	152E	117	85.0E	82 4	37 7	28 7A	21 1B	5
6	69.2B	56.2B	50.3E	42.5E	117 E	153E	115	84.2E	80 8	37 0	28 3A	21 0B	6
7	68.9B	55.7B	50.0E	44.0E	114 E	153E	112	83.5E	59 5	36 3	28 0A	20 9B	7
8	68.6B	53.5B	49.8E	46.5E	117 E	154E	108	82.8E	58 2	35 4	27 7A	20 9E	8
9	68.2B	54 7B	49.3E	48.5E	119 E	154A	102 A	82.4E	57 7	35 9	27 4A	20 8B	9
10	67.8B	57.0B	48.4E	50.5E	121 E	156	100 E	81.9E	57 3	35 5	27 1A	20 4B	10
11	67.6B	56.0B	48.2E	53.0E	123 E	158	98.2E	81.8E	56.5	35 0	26 7A	20 4B	11
12	67.2B	57.0B	48.0E	55.5E	125 E	158	97.0E	81.9E	56.8	34 5	26 3A	20 3B	12
13	66.6B	56 7B	47.8E	57.5E	129 E	157	96.0E	82.0E	56 4	34 1	25 8A	20 4B	13
14	66.3B	56.3B	47.3E	60.0E	132 E	155	93.0E	82.1E	56 1	33 6	25 5	20 4B	14
15	66.0B	56.0B	47.2E	62.0E	135 E	153	91.0E	82.5E	54 3	31 9	25 6	20 2B	15
16	65.5B	55.8B	47.1E	64.5E	137 E	152	89.0E	83.0E	53 1A	31 0	25 6	20 1B	16
17	65.0B	55.2B	46.9E	66.5E	140 E	150	87.5E	83.4E	51 2A	30 5	25 5	19 9B	17
18	64.6B	54.9B	46.7A	69.5E	143 E	148	86.2E	84.0E	48 9A	30 9	25 6	19 9B	18
19	64.4B	54.7B	49.8	71.5E	145 E	145	85.0E	85.0E	47 4A	31 4	25 7	19 6B	19
20	64.1B	54.3B	49.5	74.0E	147 E	143	83.5E	86.8E	46 8A	31 7	25 4	19 6B	20
21	63.8B	54.0B	49.6	76.0E	150 E	141	82.0E	88.3E	46 7A	31 6	25 1	19 4B	21
22	63.4B	53.6B	50.0	78.5E	153 E	141	80.5E	89.2E	47 4A	31 6	24 3	19 3B	22
23	62.4B	53.2B	50.0	80.5E	155 E	139	79.0E	89.5E	47 5A	31 7	23.7	19 1B	23
24	62.3B	52.8B	50.0	83.0E	156 E	137	78.0E	89.8E	47 8A	31 7	23 2	19 9B	24
25	61.5B	52.8B	49.8	85.5E	157 E	134	77.0E	89.4E	46 8A	31 4	22 9	19 6B	25
26	60.9B	52.7B	49.8	87.5E	158 E	132	75.5E	89.0E	44 3A	31 2	22 7	19 2B	26
27	62.3B	52.5B	49.6	90.0E	158 E	130	74.5E	86.5E	43 3A	31 1	22 6	19 1B	27
28	61.5B	51 8E	49.0	92 5E	157 E	128	73.8E	86.0E	42 1A	30 9	22 3	19 3B	28
29	60.3B		48.7	95.0E	158 E	127	73.5E	87.7E	41 7A	30 1	22 0	19 3B	29
30	59.5B		47.8	97.0E	164 E	125	71.5E	87.5E	42 0A	29 7	21 8	19 3B	30
31	58.8B		47.5		153 E		70.2E	87.0A		29 0		19 2B	31
TOTAL	2 027.2	1 547.0	1 523.8	1 941.1	4 171 5	4 387	2 879.7	2 838.4	1 589.8	1 044 8	770 9	615.9	TOTAL
MEAN	65 4	58 7	49.1	64.7	135	146	92.9	88.7	53 0	33 7	25 7	19 9	MEAN
MAX	71 0	57 0	51 4	97 0	158	158	123	89.5	97.2	42 7	28 9	21.6	MAX
MIN	58.8	51 8	46 7	41 6	99 5	125	70.2	81.8	41.7	29 0	21 8	19 1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87 3
MAXIMUM DAILY, 158E ON MAY 26
MINIMUM DAILY, 19 1B ON DEC 27

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION LAT 52 01 45 N
LONG 98 23 37 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	175 000	JUL	249 000
FEB	137 000	AUG	176 000
MAR	132 000	SEP	137 000
APR	188 000	OCT	90 300
MAY	380 000	NOV	86 800
JUN	379 000	DEC	53 700

TOTAL DISCHARGE, 2 120 000 dam³

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.258	0.016	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.190	0.014	0	0	0	0	---	---	2
3	---	---	0B	0.0848	0.161	0.008	0	0	0	0	---	---	3
4	---	---	0B	2.20 B	0.153	0.005	0	0	0	0	---	---	4
5	---	---	0B	5.46 B	0.131	0.007	0	0	0	0	---	---	5
6	---	---	0B	7.49 B	0.116	0.002	0	0	0	0	---	---	6
7	---	---	0B	3.28	0.101	0	0	0	0	0	---	---	7
8	---	---	0B	2.48	0.088	0	0	0	0	0	---	---	8
9	---	---	0B	3.83	0.074	0	0	0	0	0	---	---	9
10	---	---	0B	2.70	0.065	0	0	0	0	0	---	---	10
11	---	---	0B	2.38	0.056	0	0	0	0	0	---	---	11
12	---	---	0B	2.17	0.053	0	0	0	0	0	---	---	12
13	---	---	0B	2.00	0.037	0	0	0	0	0	---	---	13
14	---	---	0B	1.88	0.036	0	0	0.001	0	0	---	---	14
15	---	---	0B	1.73	0.035	0	0	0	0	0	---	---	15
16	---	---	0B	1.54	0.034	0	0	0	0	0	---	---	16
17	---	---	0B	1.37	0.028	0	0	0	0	0	---	---	17
18	---	---	0B	1.24	0.027	0	0	0	0	0	---	---	18
19	---	---	0B	1.10	0.018	0	0	0	0	0	---	---	19
20	---	---	0B	0.940	0.023	0	0	0	0	0	---	---	20
21	---	---	0B	0.830	0.041	0	0	0	0	0	---	---	21
22	---	---	0B	0.766	0.031	0	0	0	0	0	---	---	22
23	---	---	0B	0.668	0.025	0	0	0	0	0	---	---	23
24	---	---	0B	0.628	0.023	0	0	0	0	0	---	---	24
25	---	---	0B	0.572	0.022	0	0	0	0	0	---	---	25
26	---	---	0B	0.510	0.020	0	0	0	0	0	---	---	26
27	---	---	0B	0.432	0.037	0	0	0	0	0	---	---	27
28	---	---	0B	0.388	0.041	0	0	0	0	0	---	---	28
29	---		0B	0.354	0.021	0	0	0	0	0	---	---	29
30	---		0B	0.306	0.018	0	0	0	0	0	---	---	30
31	---		0B		0.019		0	0		0		---	31
TOTAL	---	---	0	48.378	1.988	0.052	0	0.001	0	0	---	---	TOTAL
MEAN	---	---	0	1.61	0.064	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	7.49	0.258	0.016	0	0.001	0	0	---	---	MAX
MIN	---	---	0	0	0.018	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.206
MAXIMUM DAILY, 7.488 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.088 AT 03 48 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 34 N
LONG 98 57 06 W
DRAINAGE AREA, 147 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0.09
MAR	0	SEP	0
APR 6	180	OCT	0
MAY	172	NOV	---
JUN	4 49	DEC	---

TOTAL DISCHARGE, 4 380 dam³

PILOT MOUND RESERVOIR NEAR PILOT MOUND - STATION NO. 05OB803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	451.618E	451.738	451.698E	451.634E	---	1
2	---	---	---	---	---	---	---	451.610E	451.731E	451.696	451.634E	---	2
3	---	---	---	---	---	---	---	451.604E	451.725E	451.689E	451.634	---	3
4	---	---	---	---	---	---	---	451.598	451.718	451.683E	451.631E	---	4
5	---	---	---	---	---	---	---	451.591E	451.713E	451.678	451.627E	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	451.350	---	---	---	---	---	---	451.585E	451.708E	451.676E	451.624	---	7
8	---	---	---	452.002	---	---	---	451.578	451.703E	451.670E	451.624E	---	8
9	---	---	---	---	---	---	---	451.573E	451.698	451.676	451.624E	---	9
10	---	---	---	---	---	---	---	451.568E	451.698	451.676E	451.624	---	10
11	---	---	---	---	---	---	---	451.563E	451.697E	451.670E	451.624E	---	11
12	---	---	---	---	---	---	---	451.558	451.698	451.670E	451.624E	---	12
13	---	---	---	---	---	---	---	451.548E	451.698E	451.670E	451.624E	---	13
14	---	---	---	---	---	---	---	451.538	451.698E	451.676	451.624	---	14
15	---	---	---	---	---	---	---	451.528E	451.698	451.660E	451.624E	---	15
16	---	---	---	---	---	---	---	451.538E	451.698E	451.663E	451.624E	---	16
17	---	---	---	---	---	---	---	451.548E	451.703E	451.654	451.624	451.800	17
18	---	---	---	---	---	451.714	---	451.738	451.706	451.653E	451.624E	---	18
19	---	---	---	---	---	---	---	451.745E	451.704E	451.649E	451.624E	---	19
20	---	---	---	---	---	---	---	451.755E	451.701E	451.646	451.624	---	20
					451.775			451.763	451.698E	451.645E			
21	---	---	---	---	451.765	---	451.828	451.782E	451.696	451.645E	---	---	21
22	---	---	---	451.868	---	---	451.826E	451.761E	451.693E	451.645	---	---	22
23	---	451.238	---	---	---	---	451.826E	451.760E	451.689E	451.645E	---	---	23
24	---	---	451.436	---	---	---	451.826	451.758E	451.685	451.643E	---	---	24
25	---	---	---	---	---	---	451.826E	451.756	451.688E	451.642E	---	---	25
26	---	---	---	---	---	---	451.823E	451.758E	451.691E	451.640	451.808	---	26
27	---	---	---	---	---	---	451.821E	451.756	451.694E	451.639E	---	---	27
28	---	---	---	---	451.778	---	451.818	451.754E	451.696	451.637E	---	---	28
29	---		---	---	---	---	451.823E	451.750E	451.698E	451.638E	---	---	29
30	---		---	---	---	---	451.826	451.748E	451.696E	451.634	---	---	30
31	---		---		---		451.822E	451.742E		451.634E		---	31
MEAN	---	---	---	---	---	---	---	451.669	451.702	451.660	---	---	MEAN
MAX	---	---	---	---	---	---	---	451.763	451.738	451.696	---	---	MAX
MIN	---	---	---	---	---	---	---	451.536	451.685	451.634	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 20 13 N
LONG 98 57 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1986

DRAINAGE AREA,
194 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 05BD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2108	0.2118	0.2898	2.42 B	0.838	0.827	0.177	0.185	0.117	0.185	0.287	0.1958	1
2	0.2108	0.1888	0.3238	2.80 B	0.801	0.249	0.163	0.118	0.116	0.178	0.283	0.1908	2
3	0.2108	0.1888	0.3328	3.38 B	0.672	0.513	0.247	0.172	0.114	0.178	0.270	0.1898	3
4	0.2108	0.1428	0.3108	3.88 B	0.447	0.488	0.188	0.142	0.119	0.179	0.287	0.1898	4
5	0.2108	0.1478	0.3188	4.86 B	0.438	0.422	0.182	0.152	0.119	0.209	0.257	0.1888	5
6	0.2118	0.1888	0.3778	5.00 B	0.434	0.413	0.184	0.137	0.118	0.231	0.287	0.2008	6
7	0.2118	0.1848	0.8248	5.72 B	0.427	0.431	0.183	0.148	0.118	0.218	0.2718	0.2028	7
8	0.2118	0.2138	0.8498	5.88	0.378	0.404	0.185	0.146	0.118	0.209	0.2838	0.2048	8
9	0.2128	0.2628	0.5068	5.72	0.382	0.376	0.188	0.132	0.113	0.210	0.2318	0.2038	9
10	0.2128	0.2708	0.4758	5.32	0.387	0.371	0.184	0.120	0.117	0.205	0.2208	0.2108	10
11	0.2138	0.2698	0.4568	4.44	0.388	0.888	0.188	0.128	0.128	0.208	0.2158	0.2058	11
12	0.2138	0.2438	0.4248	3.68	0.339	0.748	0.211	0.121	0.127	0.207	0.2128	0.2158	12
13	0.2138	0.2448	0.3738	2.98	0.313	0.514	0.224	0.128	0.132	0.209	0.2048	0.2258	13
14	0.2148	0.2628	0.2878	2.37	0.374	0.408	0.202	0.120	0.128	0.211	0.2188	0.2128	14
15	0.2148	0.2528	0.1888	1.88	0.344	0.338	0.208	0.123	0.122	0.209	0.2028	0.2148	15
16	0.2148	0.2698	0.1228	1.72	0.331	0.300	0.208	0.128	0.118	0.218	0.2118	0.2148	16
17	0.2118	0.2648	0.0808	1.84	0.387	0.288	0.200	0.128	0.120	0.227	0.2098	0.2018	17
18	0.2068	0.2608	0.0808	1.37	0.382	0.234	0.188	0.124	0.134	0.227	0.2078	0.1808	18
19	0.1968	0.2788	0.2438	1.18	0.318	0.212	0.478	0.125	0.188	0.228	0.1958	0.1758	19
20	0.1878	0.2898	0.5338	1.08	0.340	0.218	0.842	0.122	0.158	0.228	0.1898	0.1728	20
21	0.1968	0.2688	0.8638	0.883	2.58	0.181	0.330	0.128	0.147	0.227	0.1888	0.1788	21
22	0.1928	0.2608	1.26 B	0.775	4.18	0.198	0.284	0.135	0.144	0.230	0.1918	0.2128	22
23	0.2148	0.2198	1.19 B	0.708	2.77	0.194	0.314	0.135	0.139	0.3558	0.1838	0.1888	23
24	0.2038	0.1738	1.31 B	0.680	1.48	0.194	0.283	0.120	0.141	0.3828	0.1878	0.1848	24
25	0.2248	0.1788	1.55 B	0.833	1.38	0.227	0.215	0.119	0.162	0.294	0.1888	0.1888	25
26	0.2128	0.2288	1.78 B	0.808	2.05	0.238	0.197	0.121	0.142	0.280	0.1888	0.2018	26
27	0.1888	0.2508	2.26 B	0.578	3.44	0.215	0.184	0.122	0.144	0.272	0.1908	0.2128	27
28	0.1718	0.2888	1.86 B	0.585	2.02	0.188	0.188	0.120	0.148	0.287	0.1928	0.2188	28
29	0.1938		1.85 B	0.514	1.53	0.192	0.182	0.128	0.184	0.268	0.1838	0.2218	29
30	0.1858		1.81 B	0.512	0.982	0.184	0.182	0.128	0.188	0.299	0.1848	0.2208	30
31	0.1988		2.01 B		0.788		0.188	0.122		0.258		0.1898	31
TOTAL	6.363	6.430	24.898	73.894	30.331	10.881	7.192	4.184	3.873	6.972	6.528	6.154	TOTAL
MEAN	0.205	0.230	0.803	2.46	0.978	0.363	0.232	0.134	0.132	0.225	0.218	0.199	MEAN
MAX	0.224	0.289	2.26	5.88	4.18	0.888	0.842	0.185	0.188	0.294	0.271	0.225	MAX
MIN	0.188	0.142	0.080	0.512	0.313	0.184	0.184	0.118	0.113	0.185	0.188	0.158	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.514
MAXIMUM DAILY, 5.88 ON APR 5
MINIMUM DAILY, 0.0808 ON MAR 17
MAXIMUM INSTANTANEOUS,
8.03 AT 03 08 CST ON APR 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 25 N
LONG 95 58 40 W
DRAINAGE AREA, 157 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	549	JUL	621
FEB	556	AUG	380
MAR	2 150	SEP	343
APR	6 380	OCT	602
MAY	2 620	NOV	584
JUN	940	DEC	532

TOTAL DISCHARGE, 16 200 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1858	0.1808	0.1948	0.574	0.138	0.121	0.088	0.118	0.086	0.122	0.158	0.1898	1
2	0.1878	0.1838	0.1938	0.588	0.137	0.118	0.082	0.102	0.087	0.101	0.156	0.1848	2
3	0.1868	0.1838	0.1918	0.673	0.131	0.308	0.082	0.084	0.071	0.109	0.153	0.1805	3
4	0.1888	0.1838	0.1938	0.810	0.181	0.250	0.078	0.085	0.088	0.108	0.148	0.1448	4
5	0.1898	0.1848	0.1888	1.42	0.147	0.155	0.088	0.088	0.088	0.175	0.184	0.1408	5
6	0.1708	0.1848	0.2048	2.83	0.134	0.115	0.084	0.084	0.085	0.159	0.188	0.1408	6
7	0.1858	0.1838	0.2018	2.19	0.126	0.131	0.089	0.079	0.118	0.153	0.192	0.1508	7
8	0.1838	0.1848	0.1928	1.82	0.109	0.108	0.084	0.080	0.083	0.152	0.185	0.1588	8
9	0.1838	0.1858	0.1858	1.88	0.095	0.090	0.078	0.080	0.085	0.155	0.150	0.1558	9
10	0.1848	0.1878	0.1878	1.45	0.093	0.100	0.080	0.082	0.088	0.145	0.150	0.1578	10
11	0.1838	0.1878	0.1878	1.25	0.091	0.117	0.143	0.126	0.083	0.154	0.158	0.1638	11
12	0.1838	0.1878	0.1878	1.06	0.101	0.098	0.128	0.115	0.100	0.150	0.153	0.1818	12
13	0.1868	0.1868	0.1908	0.910	0.207	0.084	0.114	0.111	0.083	0.152	0.164	0.1578	13
14	0.1878	0.1868	0.1928	0.750	0.177	0.088	0.143	0.170	0.085	0.148	0.158	0.1548	14
15	0.1878	0.1888	0.1938	0.833	0.186	0.078	0.138	0.437	0.078	0.151	0.188	0.1578	15
16	0.1898	0.1908	0.1948	0.665	0.176	0.070	0.112	0.386	0.088	0.148	0.188	0.1478	15
17	0.1708	0.1928	0.2008	0.586	0.263	0.070	0.094	0.319	0.078	0.158	0.185	0.1458	17
18	0.1718	0.1928	0.2278	0.434	0.234	0.083	0.116	0.252	0.083	0.196	0.151	0.1508	18
19	0.1728	0.1908	0.2458	0.285	0.188	0.080	0.177	0.380	0.101	0.188	0.5158	0.1528	19
20	0.1738	0.1818	0.2708	0.217	0.181	0.088	0.138	0.213	0.103	0.163	0.2868	0.1538	20
21	0.1738	0.1818	0.300	0.180	0.163	0.078	0.103	0.136	0.088	0.164	0.2238	0.1458	21
22	0.1728	0.1908	0.327	0.208	0.248	0.091	0.087	0.091	0.085	0.191	0.1968	0.1388	22
23	0.1728	0.1908	0.358	0.183	0.188	0.078	0.108	0.078	0.074	0.198	0.1728	0.1378	23
24	0.1888	0.1908	0.387	0.180	0.121	0.084	0.103	0.089	0.073	0.201	0.1558	0.1378	24
25	0.1878	0.1908	0.427	0.387	0.102	0.088	0.085	0.088	0.070	0.197	0.1498	0.1328	25
26	0.1898	0.1918	0.455	0.304	0.104	0.085	0.123	0.071	0.071	0.208	0.1548	0.1338	26
27	0.1708	0.1908	0.477	0.201	0.185	0.088	0.133	0.078	0.084	0.202	0.1728	0.1398	27
28	0.1728	0.1918	0.480	0.182	0.188	0.071	0.080	0.070	0.085	0.197	0.1698	0.1418	28
29	0.1738		0.488	0.182	0.158	0.082	0.073	0.074	0.085	0.440	0.1708	0.1408	29
30	0.1768		0.510	0.185	0.204	0.074	0.073	0.072	0.108	0.341	0.1858	0.1418	30
31	0.1768		0.545		0.180		0.088	0.087		0.255		0.1388	31
TOTAL	5.237	5.252	8.781	22.903	4.782	2.884	3.182	4.233	2.535	5.657	5.539	4.586	TOTAL
MEAN	0.169	0.188	0.284	0.763	0.183	0.100	0.103	0.136	0.085	0.182	0.185	0.148	MEAN
MAX	0.178	0.192	0.545	2.83	0.288	0.308	0.177	0.437	0.118	0.440	0.515	0.169	MAX
MIN	0.163	0.160	0.187	0.185	0.091	0.055	0.084	0.087	0.085	0.101	0.148	0.129	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.207
MAXIMUM DAILY, 2.83 ON APR 6
MINIMUM DAILY, 0.055 ON JUN 28
MAXIMUM INSTANTANEOUS,
3.77 AT 10 24 CST ON APR 6

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 97 12 30 W
DRAINAGE AREA 294 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	453	JUL	273
FEB	454	AUG	385
MAR	780	SEP	219
APR	1 880	OCT	489
MAY	411	NOV	479
JUN	259	DEC	386

TOTAL DISCHARGE, 5 540 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO 05LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3988	2.92 B	0.957	0.488	---	---	---	---	---	---	1
2	---	---	0.3998	3.36 B	0.908	0.439	---	---	---	---	---	---	2
3	---	---	0.3878	4.58 B	0.852	0.390	---	---	---	---	---	---	3
4	---	---	0.4158	5.21 B	0.788	0.347	---	---	---	---	---	---	4
5	---	---	0.4308	8.33 B	0.785	0.379	---	---	---	---	---	---	5
6	---	---	0.4288	11.0 B	0.801	0.472	---	---	---	---	---	---	6
7	---	---	0.4158	11.4	0.747	0.447	---	---	---	---	---	---	7
8	---	---	0.4218	12.0	0.857	0.384	---	---	---	---	---	---	8
9	---	---	0.4728	10.3	0.807	0.365	---	---	---	---	---	---	9
10	---	---	0.4988	8.72	0.552	0.307	---	---	---	---	---	---	10
11	---	---	0.4888	7.18	0.529	0.291	---	---	---	---	---	---	11
12	---	---	0.4938	5.75	0.448	0.361	---	---	---	---	---	---	12
13	---	---	0.4948	4.48	0.411	0.339	---	---	---	---	---	---	13
14	---	---	0.4808	3.63	0.385	0.302	---	---	---	---	---	---	14
15	---	---	0.4808	3.13	0.326	0.289	---	---	---	---	---	---	15
16	---	---	0.4248	2.78	0.382	0.227	---	---	---	---	---	---	16
17	---	---	0.4028	2.50	0.404	0.222	---	---	---	---	---	---	17
18	---	---	0.4218	2.23	0.420	0.199	---	---	---	---	---	---	18
19	---	---	0.4248	1.84	0.413	0.202	---	---	---	---	---	---	19
20	---	---	0.4038	1.79	0.558	0.192	---	---	---	---	---	---	20
21	---	---	0.3708	1.68	0.491	0.190	---	---	---	---	---	---	21
22	---	---	0.3308	1.43	0.408	0.189	---	---	---	---	---	---	22
23	---	---	0.3118	1.22	0.384	0.188	---	---	---	---	---	---	23
24	---	---	0.4318	1.13	0.388	0.187	---	---	---	---	---	---	24
25	---	---	1.52 B	1.00	0.402	0.186	---	---	---	---	---	---	25
26	---	---	1.63 B	0.876	0.378	0.184	---	---	---	---	---	---	26
27	---	---	2.65 B	0.823	0.416	0.182	---	---	---	---	---	---	27
28	---	---	2.96 B	0.859	0.623	0.180	---	---	---	---	---	---	28
29	---		3.32 B	0.922	0.825	0.178	---	---	---	---	---	---	29
30	---		3.16 B	1.01	0.787	0.178	---	---	---	---	---	---	30
31	---		3.03 B		0.538		---	---	---	---	---	---	31
TOTAL	---	---	38.478	132.170	17.487	8.358	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.919	4.07	0.584	0.279	---	---	---	---	---	---	MEAN
MAX	---	---	3.32	12.0	0.957	0.472	---	---	---	---	---	---	MAX
MIN	---	---	0.311	0.823	0.328	0.178	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.45
MAXIMUM DAILY, 12.0 ON APR 8
MINIMUM DAILY, 0.178 ON JUN 30
MAXIMUM INSTANTANEOUS
13.0 AT 13 15 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 40 N
LONG 98 58 45 W
DRAINAGE AREA, 838 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 480	SEP	---
APR	10 600	OCT	---
MAY	1 510	NOV	---
JUN	722	DEC	---

TOTAL DISCHARGE, 15 300 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0509	0.0278	0.0648	8.78 B	0.488	0.234	0.028	0.049	0.023	0.497	0.288	0.0638	1
2	0.0548	0.0269	0.0858	14.6 B	0.441	0.208	0.030	0.015	0.019	0.610	0.216	0.0618	2
3	0.0569	0.0268	0.0858	14.2 B	0.420	0.188	0.029	0.007	0.019	0.720	0.189	0.0608	3
4	0.0558	0.0278	0.0838	13.2 B	0.402	0.180	0.019	0.004	0.021	0.832	0.138	0.0598	4
5	0.0569	0.0288	0.0898	15.8 B	0.380	0.180	0.014	0.003	0.018	0.782	0.101	0.0599	5
6	0.0568	0.0288	0.0828	19.0 B	0.352	0.178	0.051	0.004	0.018	0.525	0.093	0.0589	6
7	0.0588	0.0348	0.0898	21.2 B	0.345	0.191	0.057	0.009	0.018	0.535	0.082	0.0588	7
8	0.0568	0.0368	0.0848	23.7 B	0.337	0.198	0.085	0.006	0.018	0.485	0.090	0.0629	8
9	0.0568	0.0388	0.1088	21.2	0.313	0.190	0.100	0.003	0.020	1.03	0.086	0.0659	9
10	0.0548	0.0438	0.1118	16.9	0.307	0.184	0.114	0.011	0.022	1.13	0.083	0.0679	10
11	0.0548	0.0468	0.1158	12.5	0.283	0.204	0.137	0.019	0.023	1.18	0.081	0.0689	11
12	0.0548	0.0538	0.2488	9.20	0.248	0.172	0.139	0.015	0.024	0.982	0.082	0.0668	12
13	0.0559	0.0598	0.5458	7.32	0.244	0.147	0.109	0.016	0.025	0.873	0.083	0.0638	13
14	0.0618	0.0678	0.8838	6.11	0.219	0.115	0.080	0.020	0.027	0.839	0.085	0.0598	14
15	0.0618	0.0648	1.78 B	5.31	0.198	0.091	0.041	0.022	0.028	0.586	0.0909	0.0579	15
16	0.0618	0.0598	1.81 B	4.74	0.205	0.071	0.027	0.023	0.028	0.853	0.0879	0.0588	16
17	0.0598	0.0548	1.66 B	4.33	0.192	0.082	0.044	0.023	0.034	0.834	0.0848	0.0548	17
18	0.0578	0.0518	1.59 B	2.80	0.164	0.079	0.095	0.025	0.026	0.825	0.0808	0.0548	18
19	0.0578	0.0508	1.10 B	1.88	0.144	0.082	0.207	0.027	0.027	0.841	0.0798	0.0678	19
20	0.0568	0.0538	0.7508	1.51	0.165	0.098	0.185	0.023	0.028	0.682	0.0738	0.0679	20
21	0.0548	0.0588	0.5848	1.27	0.159	0.116	0.095	0.024	0.028	0.717	0.0718	0.0688	21
22	0.0548	0.0598	0.8288	1.12	0.162	0.111	0.068	0.024	0.030	0.749	0.0728	0.0658	22
23	0.0548	0.0628	2.35 B	0.986	0.155	0.115	0.113	0.026	0.031	0.741	0.0708	0.0658	23
24	0.0538	0.0658	3.47 B	0.871	0.147	0.098	0.146	0.023	0.028	0.698	0.0688	0.0588	24
25	0.0518	0.0678	4.56 B	0.778	0.137	0.088	0.108	0.022	0.028	0.732	0.0658	0.0748	25
26	0.0488	0.0688	3.54 B	0.728	0.145	0.080	0.071	0.030	0.041	0.802	0.0658	0.0678	26
27	0.0488	0.0648	4.04 B	0.843	0.163	0.084	0.054	0.023	0.165	0.708	0.0638	0.0728	27
28	0.0408	0.0648	4.54 B	0.605	0.203	0.087	0.027	0.022	0.303	0.817	0.0628	0.0738	28
29	0.0358		4.46 B	0.525	0.221	0.082	0.021	0.025	0.318	0.526	0.0658	0.0748	29
30	0.0298		4.38 B	0.484	0.221	0.059	0.048	0.024	0.334	0.401	0.0658	0.0728	30
31	0.0288		5.38 B		0.220		0.066	0.024		0.328		0.0738	31
TOTAL	1.822	1.374	53.994	231.988	7.759	3.929	2.437	0.584	1.772	21.788	3.811	2.000	TOTAL
MEAN	0.052	0.049	1.71	7.73	0.251	0.131	0.079	0.019	0.059	0.703	0.094	0.065	MEAN
MAX	0.061	0.067	5.47	23.7	0.488	0.234	0.207	0.049	0.334	1.18	0.258	0.074	MAX
MIN	0.028	0.028	0.068	0.484	0.137	0.054	0.014	0.003	0.018	0.328	0.082	0.057	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.907
MAXIMUM DAILY, 23.78 ON APR 8
MINIMUM DAILY, 0.003 ON AUG 5
MAXIMUM INSTANTANEOUS
27.18 AT 09 30 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 55 30 W
DRAINAGE AREA, 4 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	140	JUL	211
FEB	119	AUG	80.5
MAR	4 580	SEP	153
APR	20 000	OCT	1 880
MAY	671	NOV	243
JUN	339	DEC	173

TOTAL DISCHARGE, 28 600 dam³

PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05NC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0288	0.0078	0.0348	5.70 B	0.088	0.077	0.008	0.044	0.003	0.307	0.036	0.0088	1
2	0.0288	0.0078	0.0228	5.14 B	0.087	0.082	0.007	0.033	0.002	0.230	0.034	0.0088	2
3	0.0238	0.0078	0.0238	7.08 B	0.087	0.043	0.006	0.021	0	0.291	0.027	0.0088	3
4	0.0248	0.0078	0.0238	8.13 B	0.088	0.031	0.003	0.014	0	0.384	0.021	0.0088	4
5	0.0248	0.0078	0.1118	9.00 B	0.090	0.028	0.001	0.009	0	0.398	0.020	0.0088	5
6	0.0228	0.0088	0.3488	10.3 B	0.081	0.032	0.018	0.007	0	0.529	0.018	0.0088	6
7	0.0178	0.0088	0.3728	23.4	0.077	0.027	0.078	0.007	0	0.471	0.015	0.0088	7
8	0.0188	0.0138	0.2798	19.8	0.077	0.018	0.088	0.011	0	0.380	0.014	0.0088	8
9	0.0178	0.0188	0.5138	14.8	0.078	0.013	0.057	0.018	0	0.348	0.013	0.0088	9
10	0.0188	0.0158	0.3888	10.7	0.088	0.009	0.048	0.018	0	0.343	0.010	0.0088	10
11	0.0178	0.0188	0.3448	7.86	0.088	0.008	0.035	0.020	0	0.385	0.010	0.0088	11
12	0.0218	0.0228	0.3778	6.28	0.083	0.008	0.028	0.015	0	0.389	0.007	0.0088	12
13	0.0208	0.0248	0.6068	5.45	0.080	0.008	0.028	0.014	0	0.370	0.007	0.0088	13
14	0.0288	0.0228	1.40 B	4.88	0.043	0.003	0.035	0.018	0.118	0.386	0.008	0.0088	14
15	0.0208	0.0198	0.8818	4.07	0.038	0.001	0.080	0.018	0.329	0.388	0.007	0.0088	15
16	0.0178	0.0178	0.5938	2.88	0.044	0	0.048	0.024	0.385	0.372	0.007	0.0088	16
17	0.0158	0.0178	0.4878	0.878	0.047	0.018	0.048	0.023	0.480	0.376	0.007	0.0048	17
18	0.0118	0.0168	0.4158	0.348	0.038	0.008	0.083	0.021	0.428	0.380	0.007	0.0048	18
19	0.0108	0.0178	0.4848	0.281	0.038	0.007	0.151	0.020	0.394	0.377	0.007	0.0048	19
20	0.0108	0.0228	0.9288	0.248	0.034	0.008	0.112	0.018	0.380	0.380	0.0088	0.0038	20
21	0.0188	0.0288	3.93 B	0.197	0.037	0.038	0.088	0.010	0.345	0.384	0.0088	0.0038	21
22	0.0148	0.0258	5.10 B	0.171	0.030	0.020	0.089	0.008	0.338	0.376	0.0088	0.0038	22
23	0.0128	0.0268	3.43 B	0.147	0.027	0.018	0.074	0.007	0.342	0.315	0.0088	0.0038	23
24	0.0118	0.0268	2.32 B	0.140	0.026	0.008	0.074	0.008	0.304	0.224	0.0088	0.0028	24
25	0.0078	0.0248	1.98 B	0.139	0.021	0.005	0.085	0.008	0.270	0.180	0.0088	0.0018	25
26	0.0088	0.0248	3.37 B	0.131	0.021	0.003	0.088	0.008	0.309	0.122	0.0088	0.0018	26
27	0.0088	0.0258	3.83 B	0.108	0.020	0.001	0.040	0.005	0.344	0.082	0.0088	0.0018	27
28	0.0088	0.0238	3.84 B	0.106	0.008	0.004	0.030	0.005	0.347	0.067	0.0088	0 B	28
29	0.0088		4.05 B	0.097	0.107	0.008	0.018	0.004	0.358	0.080	0.0088	0 B	29
30	0.0068		4.98 B	0.088	0.151	0.007	0.048	0.004	0.308	0.049	0.0088	0 B	30
31	0.0078		5.46 B		0.084		0.051	0.003		0.038		0 B	31
TOTAL	0.478	0.488	51.140	154.857	1.808	0.518	1.803	0.432	5.702	9.171	0.337	0.117	TOTAL
MEAN	0.015	0.017	1.65	5.18	0.058	0.017	0.048	0.014	0.190	0.288	0.011	0.004	MEAN
MAX	0.028	0.028	5.48	23.4	0.151	0.077	0.151	0.044	0.480	0.529	0.036	0.008	MAX
MIN	0.008	0.007	0.022	0.088	0.008	0	0.001	0.003	0	0.038	0.008	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.516
MAXIMUM DAILY, 23.4 ON APR 7
MINIMUM DAILY, 0 ON JUN 16
MAXIMUM INSTANTANEOUS,
24.4 AT 22:43 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 26 N
LONG 101 23 46 W
DRAINAGE AREA, 3 880 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41.3	JUL	130
FEB	41.9	AUG	37.3
MAR	4 420	SEP	483
APR	13 400	OCT	792
MAY	156	NOV	29.1
JUN	44.5	DEC	10.1

TOTAL DISCHARGE, 19 500 dam³

PLAYGREEN LAKE AT ENTRANCE TO EAST NELSON RIVER - STATION NO. 05UB006

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.856	216.848	216.882	216.980	217.300	217.493	217.486	217.518	217.292	217.070	---	216.821	1
2	216.871	216.847	216.880	216.985	217.318	217.496	217.438	217.527	217.378	217.074	---	216.815	2
3	216.873	216.846	216.892	217.006	217.388	217.294	217.461	217.387	217.528	217.245	---	216.789	3
4	216.863	216.851	216.894	217.012	217.413	217.349	217.529	217.437	217.429	217.188	---	216.783	4
5	216.870	216.858	216.902	217.028	217.437	217.408	217.483	217.508	217.354	216.945	---	216.798	5
6	216.862	216.866	216.896	217.028	217.381	217.416	217.418	217.474	217.434	216.875	---	216.837	6
7	216.851	216.860	216.883	217.046	217.352	217.397	217.503	217.474	217.402	217.067	---	216.835	7
8	216.885	216.856	216.889	217.068	217.405	217.416	217.472	217.510	217.402	217.050	---	216.806	8
9	216.856	216.859	216.883	217.046	217.387	217.447	217.543	217.405	217.374	216.893	---	216.758	9
10	216.858	216.862	216.889	217.029	217.381	217.481	217.476	217.410	217.282	217.050	---	216.782	10
11	216.887	216.885	216.902	217.052	217.313	217.513	217.382	217.484	217.284	217.088	---	216.718	11
12	216.886	216.852	216.889	217.101	217.388	217.448	217.428	217.434	217.309	217.134	---	216.884	12
13	216.884	216.845	216.901	217.128	217.403	217.485	217.486	217.506	217.338	217.196	216.848A	216.882	13
14	216.881	216.844	216.900	217.152	217.318	217.480	217.500	217.484	217.371	216.980	216.913	216.712	14
15	216.885	216.884	216.904	217.181	217.378	217.485	217.519	217.484	217.328	217.028	216.894	216.714	15
16	216.859	216.857	216.914	217.178	217.380	217.477	217.526	217.388	217.344	217.084	216.895	216.709	16
17	216.866	216.861	216.916	217.183	217.315	217.545	217.431	217.431	217.306	217.111	216.850	216.710	17
18	216.859	216.862	216.922	217.201	217.358	217.486	217.413	217.438	217.249	216.985	216.884	216.713	18
19	216.848	216.865	216.931	217.185	217.380	217.487	217.418	217.434	217.283	216.980	216.715	216.712	19
20	216.850	216.872	216.934	217.148	217.388	217.512	217.506	217.480	217.277	216.932	216.886	216.717	20
21	216.851	216.874	216.943	217.228	217.191	217.488	217.483	217.414	217.329	216.952A	216.856	216.716	21
22	216.862	216.875	216.946	217.277	217.283	217.532	217.502	217.285	217.389	---	216.858	216.715	22
23	216.862	216.871	216.954	217.243	217.341	217.508	217.483	217.337	217.238	---	216.790	216.706	23
24	216.862	216.884	216.956	217.288	217.382	217.548	217.488	217.388	217.222	---	216.834	216.705	24
25	216.865	216.888	216.959	217.273	217.382	217.464	217.480	217.402	217.275	---	216.885	216.702	25
26	216.864	216.887	216.967	217.280	217.407	217.383	217.486	217.458	217.286	---	216.881	216.703	26
27	216.858	216.887	216.965	217.247	217.378	217.439	217.507	217.454	217.286	---	216.874	216.693	27
28	216.860	216.888	216.980	217.308	217.353	217.401	217.524	217.518	217.249	---	216.906	216.688	28
29	216.860		216.989	217.224	217.406	217.387	217.493	217.488	217.188	---	216.884	216.678	29
30	216.856		216.975	217.267	217.381	217.401	217.493	217.230	217.185	---	216.831	216.680	30
31	216.852		216.982		217.426		217.492	217.232		---		216.671	31
MEAN	216.866	216.880	216.923	217.147	217.367	217.484	217.475	217.432	217.319	---	---	216.733	MEAN
MAX	216.873	216.875	216.982	217.308	217.437	217.548	217.542	217.527	217.528	---	---	216.837	MAX
MIN	216.842	216.844	216.882	216.980	217.191	217.294	217.382	217.230	217.185	---	---	216.664	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 217.548 ON JUN 24
MINIMUM DAILY, 216.664 ON DEC 13
MAXIMUM INSTANTANEOUS,
217.834 AT 22:30 CST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 54 10 N
LONG 97 58 30 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2088	0.1058	0.343	0.084	0.011	0.171	0.144E	0.>98	- -	---	1
2	---	---	0.2088	0.1088	0.320	0.152	0.027	0.152	0.171E	0.375	- -	---	2
3	---	---	0.2118	0.1988	0.344	0.148	0.015	0.133	0.171E	0.>46	- -	---	3
4	---	---	0.2158	2.70 B	0.409	0.071	0.008	0.154	0.174E	0.337	- -	---	4
5	---	---	0.2188	3.04 B	0.452	0.045	0.014	0.186	0.178E	0.038	- -	---	5
6	---	---	0.2218	2.28 B	0.348	0.044	0.018	0.207	0.181E	0.033	---	---	6
7	---	---	0.2258	1.84 B	0.304	0.043	0.068	0.152	0.184E	0.028	---	---	7
8	---	---	0.2218	1.10 B	0.320	0.038	0.045	0.144	0.188E	0.023	---	---	8
9	---	---	0.2188	0.881	0.313	0.035	0.017	0.181	0.181E	0.023	---	---	9
10	---	---	0.2218	0.585	0.210	0.029	0.099	0.183	0.203E	0.017	---	---	10
11	---	---	0.2218	0.358	0.189	0.038	0.221	0.183	0.238E	0.013	---	---	11
12	---	---	0.2258	0.323	0.304	0.048	0.218	0.180	0.198E	0.012	---	---	12
13	---	---	0.2258	0.258	0.298	0.040	0.218	0.148	0.188E	0.009	---	---	13
14	---	---	0.2288	0.238	0.163	0.038	0.228	0.152	0.179E	0.00..	---	---	14
15	---	---	0.2288	0.333	0.122	0.023	0.203	0.184	0.174E	0.007E	---	---	15
16	---	---	0.2288	0.278	0.187	0.018	0.180	0.184	0.171E	0.008E	---	---	16
17	---	---	0.2318	0.288	0.078	0.028	0.182	0.185	0.382E	0.008E	---	---	17
18	---	---	0.2318	0.327	0.043	0.029	0.180	0.183	0.288E	0.008E	---	---	18
19	---	---	0.2348	0.358	0.034	0.013	0.433	0.188	0.188E	0.008E	---	---	19
20	---	---	0.3028	0.274	0.047	0.011	0.238	0.182	0.178E	0.008E	---	---	20
21	---	---	0.3308	0.438	0.048	0.018	0.189	0.203	0.174E	0.008A	---	---	21
22	---	---	0.3138	0.510	0.027	0.033	0.214	0.093	0.171A	0.004E	---	---	22
23	---	---	0.2878	0.283	0.018	0.100	0.323	0.120	0.170	0.004E	---	---	23
24	---	---	0.1588	0.280	0.017	0.188	0.183	0.125	0.170	0.003E	---	---	24
25	---	---	0.1338	0.388	0.028	0.074	0.187	0.128	0.108	0.003E	---	---	25
26	---	---	0.1368	0.431	0.024	0.021	0.171	0.173	0.042	0.003E	---	---	26
27	---	---	0.1388	0.415	0.039	0.008	0.188	0.105A	0.084	0.003E	---	---	27
28	---	---	0.1308	0.481	0.041	0.010	0.183	0.095E	0.050	0.003E	---	---	28
29	---		0.1418	0.350	0.035	0.018	0.184	0.084E	0.082	0.003E	---	---	29
30	---		0.1328	0.335	0.033	0.014	0.188	0.105E	0.059	0.002E	---	---	30
31	---		0.1308		0.029		0.183	0.139E		0.002E	---	---	31
TOTAL	---	---	5.804	19.831	5.139	1.662	4.719	4.857	5.000	0.535	---	---	TOTAL
MEAN	---	---	0.210	0.661	0.166	0.048	0.152	0.150	0.167	0.017	---	---	MEAN
MAX	---	---	0.330	3.04	0.452	0.199	0.433	0.207	0.382	0.038	---	---	MAX
MIN	---	---	0.120	0.105	0.018	0.008	0.008	0.083	0.042	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.194
MAXIMUM DAILY, 3.048 ON APR 5
MINIMUM DAILY, 0.0028 ON OCT 29
MAXIMUM INSTANTANEOUS,
4.578 AT 18.31 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 16 N
LONG 100 52 57 W
DRAINAGE AREA, 281 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	408
FEB	---	AUG	403
MAR	583	SEP	432
APR	1 880	OCT	45.4
MAY	444	NOV	---
JUN	128	DEC	---

TOTAL DISCHARGE, 4 110 dam³

PLEASANT VALLEY RESERVOIR NEAR PETLURA - STATION NO. 05LJ006

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	$40.210E	$40.120E	$40.043E	$40.017E	$39.872	$39.850E	$39.840E	---	1
2	---	---	---	939.800	$40.210	$40.122	$40.042E	$40.012E	$39.882	$39.850	$39.840E	---	2
3	---	---	---	---	$40.207E	$40.122E	$40.042	$40.007E	$39.877E	$39.850E	$39.840	---	3
4	---	---	---	---	$40.203E	$40.122E	$40.042E	$40.002	$39.882	$39.850E	$39.840E	---	4
5	---	---	---	---	$40.200	$40.122	$40.042E	$39.998E	$39.888E	$39.850E	$39.840E	---	5
6	---	---	---	---	$40.197E	$40.120E	$40.042E	$39.998E	$39.887E	$39.850	$39.840	---	6
7	---	---	---	---	$40.193E	$40.117E	$40.042	$39.992	$39.894E	$39.853E	---	---	7
8	---	---	---	---	$40.190	$40.115E	$40.038	$39.987E	$39.882	$39.857E	---	---	8
9	---	---	---	---	$40.185E	$40.112	$40.035E	$39.982E	$39.8..E	$39.860	---	---	9
10	---	---	---	---	$40.180E	$40.108E	$40.032	$39.977E	$39.888E	$39.850E	---	---	10
11	---	---	---	---	$40.175E	$40.105E	$40.048E	$39.972	$39.842	$39.880E	---	---	11
12	---	---	---	---	$40.170	$40.102	$40.047E	$39.985E	$39.840E	$39.880E	---	---	12
13	---	---	---	---	$40.172	$40.098E	$40.044E	$39.988E	$39.837E	$39.880	---	---	13
14	---	---	---	---	$40.167E	$40.097E	$40.042	$39.983	$39.835E	$39.857E	---	---	14
15	---	---	---	940.188	$40.162	$40.094E	$40.039E	$39.947E	$39.832	$39.853E	---	---	15
16	---	---	---	---	$40.157E	$40.092	$40.035E	$39.942E	$39.832E	$39.850	---	939.830	16
17	---	---	---	---	$40.152E	$40.092E	$40.033	$39.937E	$39.873E	$39.850E	---	---	17
18	---	---	---	---	$40.147E	$40.092E	$40.032E	$39.932	$39.882	$39.850E	---	---	18
19	---	---	---	---	$40.142	$40.092	$40.032E	$39.940	$39.887E	$39.850E	---	---	19
20	---	---	---	---	$40.137E	$40.087E	$40.032E	$39.931E	$39.882E	$39.850	---	---	20
21	---	---	---	$40.210	$40.113	$40.083E	$40.033	$39.923	$39.877E	$39.830	---	---	21
22	---	---	---	$40.210	$40.133	$40.077E	$40.035E	$39.919E	$39.872	$39.840E	---	---	22
23	---	---	---	$40.215E	$40.130E	$40.072	$40.038E	$39.917E	$39.880	$39.850	---	939.820	23
24	---	---	---	$40.220	$40.127E	$40.068E	$40.042	$39.914E	$39.881E	$39.847E	---	---	24
25	---	---	---	$40.217E	$40.125E	$40.060E	$40.038E	$39.913	$39.872	$39.845E	939.827	---	25
26	---	---	---	$40.215E	$40.122	$40.062	$40.037E	$39.908E	$39.870E	$39.842E	---	---	26
27	939.782	---	---	$40.213E	$40.118E	$40.048E	$40.034E	$39.898E	$39.867E	$39.840	---	---	27
28	---	---	---	$40.210	$40.115E	$40.047E	$40.032	$39.892	$39.865E	$39.840E	---	---	28
29	---		---	$40.210	$40.112	$40.044E	$40.028E	$39.887E	$39.862	$39.840E	---	---	29
30	---		---	$40.210E	$40.115E	$40.042	$40.025E	$39.882E	$39.860	$39.840	---	---	30
31	---		---		$40.117E		$40.022	$39.877E		$39.840E	---	---	31
MEAN	---	---	---	---	$40.167	$40.081	$40.039	$39.948	$39.863	$39.849	---	---	MEAN
MAX	---	---	---	---	$40.210	$40.122	$40.086	$40.017	$39.892	$39.860	---	---	MAX
MIN	---	---	---	---	$40.113	$40.043	$40.022	$39.877	$39.832	$39.830	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 03 27 N
LONG 100 55 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED

REGULATED SINCE 1972

DRAINAGE AREA,
233 km²

PLUM CREEK NEAR SOURIS - STATION NO 05MG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 8	0 2038	0 372	0 421	0 048	0 058	0 021	0	---	---	1
2	---	---	0 8	0 2248	0 398	0 413	0 052	0 065	0 020	0	---	---	2
3	---	---	0 8	1 03 8	0 448	0 451	0 057	0 048	0 020	0	---	---	3
4	---	---	0 8	1 42 8	0 488	0 443	0 054	0 005	0 017	0	---	---	4
5	---	---	0 8	1 88 8	0 489	0 393	0 045	0	0 015	0	---	---	5
6	---	---	0 8	1 45 8	0 537	0 381	0 037	0	0 005	0	---	---	6
7	---	---	0 8	1 04 8	0 527	0 405	0 029	0	0	0	---	---	7
8	---	---	0 8	0 7408	0 538	0 302	0 002	0	0	0	---	---	8
9	---	---	0 8	0 5158	0 547	0 285	0 005	0	0	0	---	---	9
10	---	---	0 8	0 4928	0 587	0 215	0 022	0	0	0	---	---	10
11	---	---	0 8	0 4328	0 849	0 285	0 041	0 014	0	0	---	---	11
12	---	---	0 8	0 448	0 887	0 325	0 052	0 027	0 003	0	---	---	12
13	---	---	0 8	0 332	0 884	0 304	0 045	0 011	0 008	0	---	---	13
14	---	---	0 8	0 251	0 841	0 194	0 038	0 007	0 008	0	---	---	14
15	---	---	0 8	0 184	0 482	0 142	0 039	0 075	0 007	0	---	---	15
16	---	---	0 8	0 189	0 579	0 118	0 051	0 041	0 003	0	---	---	16
17	---	---	0 8	0 170	0 700	0 128	0 047	0 024	0 007	0	---	---	17
18	---	---	0 8	0 082	0 582	0 084	0 080	0 013	0 010	0	---	---	18
19	---	---	0 8	0 044	0 517	0 085	0 058	0 002	0 014	0	---	---	19
20	---	---	0 8	0 029	0 499	0 056	0 077	0 004	0 015	0	---	---	20
21	---	---	0 0208	0 045	0 498	0 058	0 051	0 024	0 017	0	---	---	21
22	---	---	0 5438	0 031	0 432	0 030	0 028	0 008	0 019	0	---	---	22
23	---	---	0 4708	0 010	0 436	0 057	0 048	0	0 017	0 001	---	---	23
24	---	---	0 5628	0 002	0 447	0 052	0 057	0	0 016	0 003	---	---	24
25	---	---	0 2788	0 080	0 396	0 019	0 028	0	0 008	0 005	---	---	25
26	---	---	0 3418	0 118	0 349	0 001	0 018	0	0	0 011	---	---	26
27	---	---	0 3098	0 188	0 433	0 003	0 021	0	0	0 010	---	---	27
28	---	---	0 1738	0 181	0 428	0 038	0 011	0 005	0	0 010	---	---	28
29	---	---	0 1178	0 287	0 381	0 042	0 001	0 023	0	0 011	---	---	29
30	---	---	0 0278	0 340	0 482	0 037	0 007	0 028	0	0 011	---	---	30
31	---	---	0 1818		0 405		0 041	0 022		0 010		---	31
TOTAL	---	---	2 988	12 503	15 508	6 732	1 171	0 583	0 250	0 073	---	---	TOTAL
MEAN	---	---	0 098	0 417	0 500	0 191	0 038	0 019	0 008	0 002	---	---	MEAN
MAX	---	---	0 562	1 88	0 700	0 451	0 077	0 087	0 021	0 011	---	---	MAX
MIN	---	---	0	0 002	0 349	0 001	0 001	0	0	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 158
MAXIMUM DAILY 1 888 ON APR 5
MINIMUM DAILY 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS
2 348 AT 07 49 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 30 N
LONG 100 18 30 W
DRAINAGE AREA 5 410 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	191
FEB	---	AUG	51 2
MAR	268	SEP	31 6
APR	1 080	OCT	6 31
MAY	1 340	NOV	---
JUN	495	DEC	---

TOTAL DISCHARGE 3 350 dam³

PLUM LAKE ABOVE DELEAU DAM - STATION NO 05MG801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	429 188A	429 439	429 386	429 283	429 256	429 143	429 087	---	---	1
2	---	---	---	429 186	429 436	429 369	429 280	429 253	429 137	429 084	---	---	2
3	---	---	---	429 181E	429 436	429 386	429 274	429 247	429 134	429 081	---	---	3
4	---	---	---	429 177E	429 442	429 387	429 271	429 241	429 134	429 058	---	---	4
5	---	---	---	429 172E	429 439	429 380	429 265	429 235	429 128	429 081	---	---	5
6	---	---	---	429 188	429 439	429 380	429 256	429 232	429 125	429 055	---	---	6
7	---	---	---	429 188E	429 433	429 344	429 256	429 225	429 122	429 052	---	---	7
8	---	---	---	429 181	429 427	429 338	429 250	429 219	429 116	429 052	---	---	8
9	---	---	---	429 184	429 421	429 332	429 250	429 216	429 116	429 048	---	---	9
10	---	---	---	429 180	429 411	429 332	429 253	429 210	429 116	429 046	---	---	10
11	---	---	---	429 182	429 411	429 332	429 250	429 213	429 116	429 048	---	---	11
12	---	---	---	429 213	429 402	429 328	429 247	429 210	429 113	429 048	---	---	12
13	---	---	---	429 241	429 396	429 323	429 244	429 201	429 107	429 048	---	---	13
14	---	---	---	429 271	429 393	429 317	429 238	429 201	429 104	429 043	---	---	14
15	---	---	---	429 320	429 387	429 311	429 232	429 207	429 100	429 040	---	---	15
16	---	---	---	429 386	429 386	429 302	429 226	429 204	429 094	429 036	---	---	16
17	---	---	---	429 402	429 393	429 320	429 222	429 201	429 100	429 036	---	---	17
18	---	---	---	429 427	429 390	429 314	429 232	429 201	429 100	429 036	---	---	18
19	---	---	---	429 446	429 387	429 302	429 240	429 198	429 100	429 036	---	---	19
20	---	---	---	429 472	429 387	429 302	429 280	429 192	429 100	429 036	---	---	20
21	---	---	---	429 481	429 387	429 311	429 277	429 186	429 094	429 030	---	---	21
22	---	---	---	429 481	429 384	429 305	429 274	429 180	429 091	429 024	---	---	22
23	---	---	---	429 481	429 381	429 308	429 274	429 174	429 088	429 027	---	---	23
24	---	---	429 100A	429 481	429 378	429 298	429 268	429 168	429 085	429 027	---	---	24
25	---	---	---	429 481	429 372	429 293	429 262	429 164	429 082	429 030	---	---	25
26	---	---	---	429 485	429 369	429 286	429 256	429 161	429 079	429 033	---	---	26
27	---	---	---	429 485	429 372	429 280	429 250	429 156	429 076	429 033	---	---	27
28	---	---	---	429 478	429 372	429 283	429 244	429 152	429 073	429 033E	---	---	28
29	---	---	---	429 483	429 375	429 286	429 241	429 148	429 073	429 033E	---	---	29
30	---	---	---	429 481	429 369	429 283	429 250	429 152	429 070	429 033E	---	---	30
31	---	---	---		429 366		429 253	429 146		429 033A		---	31
MEAN	---	---	---	429 329	429 400	429 320	429 256	429 198	429 104	429 042	---	---	MEAN
MAX	---	---	---	429 485	429 442	429 369	429 283	429 256	429 143	429 087	---	---	MAX
MIN	---	---	---	429 181	429 366	429 280	429 222	429 146	429 070	429 024	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY 429 485 ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 30 N
LONG 100 38 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1958

DRAINAGE AREA
5 140 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM LAKE NEAR FINDLAY - STATION NO 05NC809

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	429.067E	429.387	429.314	---	429.175	429.086	429.008	---	---	1
2	---	---	---	429.061E	429.384	429.314	---	429.169	429.080	428.995	---	---	2
3	---	---	---	429.055E	429.380	429.304	---	429.161	429.080	428.982	---	---	3
4	---	---	---	429.049E	429.388	429.295	---	429.155	429.054	429.013	---	---	4
5	---	---	---	429.073E	429.388	429.288	---	429.157	429.049	429.007	---	---	5
6	---	---	---	429.077	429.384	429.285	---	429.146	429.047	428.984	---	---	6
7	---	---	---	429.101E	429.380	429.285	---	429.138	429.042	428.980	---	---	7
8	---	---	---	429.125	429.376	429.273	---	429.134	429.037	428.986	---	---	8
9	---	---	---	429.152	429.370	429.263	429.172A	429.133	429.036	428.982	---	---	9
10	---	---	---	429.207	429.367	429.259	---	429.130	429.038	428.979	---	---	10
11	---	---	429.578A	429.250	429.362	429.257	---	429.130	429.036	428.973	---	---	11
12	---	---	---	429.287	429.353	429.257	---	429.120	429.034	428.972	---	---	12
13	---	---	---	429.338	429.355	429.252	---	429.112	429.030	428.983	---	---	13
14	---	---	---	429.390	429.348	429.244	---	429.115	429.028	428.987	---	---	14
15	---	---	---	429.405	429.344	429.229	429.182A	429.119	429.032	428.983	---	---	15
16	---	---	---	429.411	429.348	429.218	---	429.117	429.025	428.984	---	---	16
17	---	---	---	429.415	429.347	429.250	---	429.116	429.035	428.984	---	---	17
18	---	---	---	429.416	429.342	429.248E	---	429.116	429.034	428.987	---	---	18
19	---	---	---	429.423	429.338	429.248E	---	429.113	429.031	428.984	---	---	19
20	---	---	---	429.428	429.338	429.244E	---	429.107	429.028	428.980	---	---	20
21	---	---	---	429.416	429.338	429.242E	429.194A	429.108	429.026	428.951	---	---	21
22	---	---	---	429.417	429.333	429.240	429.194	429.101	429.022	428.953	---	---	22
23	---	---	---	429.416	429.330	429.237E	429.192	429.094	429.018	428.987	---	---	23
24	---	---	429.043A	429.416	429.326	429.233E	429.185	429.090	429.011	428.985	---	---	24
25	---	---	429.044E	429.415	429.323	429.229E	429.180	429.087	429.012	428.984	---	---	25
26	---	---	429.045E	429.419	429.322	429.228E	429.178	429.087	429.007	428.975A	---	---	26
27	---	---	429.046E	429.414	429.323	429.222E	429.173	429.083	429.008	---	---	---	27
28	---	---	429.047E	429.408	429.326	429.218E	429.169	429.079	429.011	---	---	---	28
29	---		429.048E	429.405	429.324	429.215E	429.168	429.078	429.010	---	---	---	29
30	---		429.048	429.398	429.320	429.213A	429.176	429.075	429.005	---	---	---	30
31	---		429.052E		429.306		429.179	429.071		---		---	31
MEAN	---	---	---	429.286	429.351	429.254	---	429.118	429.031	---	---	---	MEAN
MAX	---	---	---	429.428	429.387	429.314	---	429.175	429.086	---	---	---	MAX
MIN	---	---	---	429.067	429.306	429.212	---	429.071	429.005	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 429.428 ON APR 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 47 N
LONG 100 43 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1958

DRAINAGE AREA,
5 140 km²

PLUM RIVER NEAR ROSENFELD - STATION NO 05QC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	9.70 B	0.0918	0.060	0	0	0	0	---	---	1
2	---	---	0 B	17.4 B	0.0842	0.050	0	0	0	0	---	---	2
3	---	---	0 B	30.0 B	0.0695	0.043	0	0	0	0	---	---	3
4	---	---	0 B	45.6 B	0.0792	0.036	0	0	0	0	---	---	4
5	---	---	0 B	66.0 B	0.0692	0.029	0	0	0	0	---	---	5
6	---	---	0 B	58.8	0.069A	0.023	0	0	0	0	---	---	6
7	---	---	0 B	40.4	0.055	0.017	0	0	0	0	---	---	7
8	---	---	0 B	23.6 A	0.047	0.010	0	0	0	0	---	---	8
9	---	---	0 B	14.1 A	0.043	0.005	0	0	0	0	---	---	9
10	---	---	0 B	8.34	0.038	0.003	0	0	0	0	---	---	10
11	---	---	0 B	5.81	0.033	0.004	0	0	0	0	---	---	11
12	---	---	0 B	4.44 A	0.027	0.001	0	0	0	0	---	---	12
13	---	---	0 B	3.28	0.016	0	0	0	0	0	---	---	13
14	---	---	0 B	2.12 A	0.015	0	0	0	0	0	---	---	14
15	---	---	0 B	1.48	0.012	0	0	0	0	0	---	---	15
16	---	---	0 B	1.14	0.008	0	0	0	0	0	---	---	16
17	---	---	0 B	0.774	0.008	0	0	0	0	0	---	---	17
18	---	---	0 B	0.576	0.033	0	0	0	0	0	---	---	18
19	---	---	0 B	0.483	0.111	0	0	0	0	0	---	---	19
20	---	---	0 B	0.382	0.114	0	0	0	0	0	---	---	20
21	---	---	0 B	0.280	0.134	0	0	0	0	0	---	---	21
22	---	---	0 B	0.224	0.136	0	0	0	0	0	---	---	22
23	---	---	0 B	0.200	0.137	0	0	0	0	0	---	---	23
24	---	---	0 B	0.178	0.103	0	0	0	0	0	---	---	24
25	---	---	0 B	0.162	0.082	0	0	0	0	0	---	---	25
26	---	---	0.0058	0.144	0.081	0	0	0	0	0	---	---	26
27	---	---	0.0138	0.123	0.100	0	0	0	0	0	---	---	27
28	---	---	0.0318	0.106	0.101	0	0	0	0	0	---	---	28
29	---		0.0578	0.094A	0.092	0	0	0	0	0	---	---	29
30	---		4.46 B	0.080E	0.075	0	0	0	0	0	---	---	30
31	---		10.7 B		0.063		0	0		0		---	31
TOTAL	---	---	15.286	338.394	3.135	0.281	0.889	0.082	0	0.471	---	---	TOTAL
MEAN	---	---	0.493	11.3	0.089	0.009	0.022	0.003	0	0.015	---	---	MEAN
MAX	---	---	10.7	66.0	0.137	0.060	0.133	0.039	0	0.123	---	---	MAX
MIN	---	---	0	0.080	0.008	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 66.0B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
81.1 AT 17:00 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 34 00 W
DRAINAGE AREA, 784 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	59.5
FEB	---	AUG	7.08
MAR	1 320	SEP	0
APR	29 200	OCT	40.7
MAY	184	NOV	---
JUN	24.3	DEC	---

TOTAL DISCHARGE, 30 800 dam³

POPLAR RIVER AT OUTLET OF WEAVER LAKE - STATION NO. 05RE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0	16.8	15.6	14.6	125	54.6	38.1	17.1	19.8	18.7	15.5	15.4	1
2	16.9	16.7	15.7	14.6	124	55.0	35.8	18.5	20.0	18.7	15.9	15.2	2
3	16.0	16.6	15.6	14.6	123	55.0	34.2	18.5	19.8	18.8	15.9	15.1	3
4	15.0	16.6	15.7	14.6	121	57.1	33.0	19.8	19.1	18.8	15.3	15.1	4
5	15.0	16.5	15.7	14.6	119	58.5	31.6	19.1	19.4	18.8	15.5	15.1	5
6	15.9	16.5	15.6	14.6	119	59.3	31.1	19.7	19.5	18.8	15.9	15.1	6
7	16.7	16.4	15.4	15.3	116	59.2	29.3	19.1	19.3	18.9	16.1	15.0	7
8	16.7	16.3	15.3	16.0	112	58.7	28.3	19.1	19.8	17.4	16.0	14.9	8
9	16.8	16.2	15.2	17.2	112	61.8	27.7	18.3	19.5	15.4	16.0	14.9	9
10	16.5	16.3	15.3	16.6	110	62.4	27.1	18.8	19.6	15.4	16.0	14.8	10
11	16.5	16.2	15.2	20.5	105	62.4	28.3	19.3	19.5	15.4	16.0	14.7	11
12	16.4	16.0	15.1	22.6	105	62.8	24.9	19.1	19.8	15.6	16.0	14.7	12
13	16.4	15.9	15.0	25.6	99.0	62.0	24.1	19.2	19.4	15.3	15.9	14.6	13
14	16.2	15.8	15.0	29.0	98.4	60.0	23.6	18.8	19.4	15.8	15.9	14.6	14
15	16.0	15.8	14.9	32.5	94.6	60.8	23.0	18.9	19.4	15.5	15.9	14.5	15
16	16.0	15.8	15.0	36.4	91.4	60.4	22.5	17.3	19.4	15.5	15.9	14.4	16
17	17.9	15.8	14.9	40.6	90.3	58.6	21.7	17.0	19.3	15.4	15.9	14.3	17
18	17.5	15.8	15.2	45.5	86.8	54.9	21.8	16.9	19.2	15.9	16.0	14.4	18
19	17.8	15.8	15.1	51.2	84.1	54.2	21.5	17.3	19.0	16.3	15.9	14.4	19
20	17.7	15.8	15.1	58.6	78.9	52.8	20.2	17.8	18.8	16.2	15.9	14.4	20
21	17.8	15.7	15.0	68.8	77.9	51.8	20.4	18.4	18.5	15.5	15.9	14.3	21
22	17.6	15.7	14.9	78.2	74.2	48.4	20.3	18.3	18.1	15.4	15.9	14.2	22
23	17.4	15.8	14.9	88.4	71.1	46.9	19.5	18.8	18.0	15.8	15.8	14.2	23
24	17.3	15.4	14.9	98.7	68.4	45.0	19.4	18.5	17.7	15.0	15.7	14.1	24
25	17.3	15.4	14.8	104	66.0	43.8	19.8	18.4	17.4	15.0	15.8	14.1	25
26	17.3	15.5	14.7	107	63.8	43.5	19.1	18.7	17.7	15.5	15.6	14.0	26
27	17.2	15.6	14.6	114	61.7	41.7	18.8	20.0	17.5	15.8	15.7	14.0	27
28	17.1	15.5	14.6	118	61.0	40.7	18.3	19.8	17.1	15.3	15.6	14.0	28
29	17.1		14.5	121	57.2	38.8	18.1	18.4	16.8	15.8	15.6	13.9	29
30	17.0		14.6	122	51.8	37.7	17.8	18.8	16.9	15.1	15.5	13.8	30
31	17.0		14.7		51.0		17.8	18.8		15.3		13.7	31
TOTAL	559.8	448.5	467.8	1 935.3	2 820.5	1 807.8	753.8	543.6	563.8	505.3	475.8	449.9	TOTAL
MEAN	18.1	16.0	15.1	61.2	91.0	53.8	24.3	17.5	18.8	16.3	15.9	14.5	MEAN
MAX	19.0	16.9	15.7	122	125	62.8	38.1	20.0	20.0	17.4	16.5	15.4	MAX
MIN	17.0	15.4	14.5	14.6	51.0	37.7	17.8	16.9	16.8	15.4	15.3	13.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.4
MAXIMUM DAILY, 125 ON MAY 1
MINIMUM DAILY, 13.7 ON DEC 31
MAXIMUM INSTANTANEOUS,
126 AT 09:10 CST ON MAY 1

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 98 45 10 W
DRAINAGE AREA, 6 850 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	48 300	JUL	65 100
FEB	38 800	AUG	47 000
MAR	40 400	SEP	48 700
APR	133 000	OCT	43 700
MAY	244 000	NOV	41 100
JUN	139 000	DEC	38 900

TOTAL DISCHARGE, 926 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	---	---	---	---	---	---	1
2	---	---	0B	0 B	0	0	---	---	---	---	---	---	2
3	---	---	0B	4 BOB	0A	0	---	---	---	---	---	---	3
4	---	---	0B	0 B	0	0	---	---	---	---	---	---	4
5	---	---	0B	0 B	0	0	---	---	---	---	---	---	5
6	---	---	0B	1 2SB	0	0	---	---	---	---	---	---	6
7	---	---	0B	142 B	0	0	---	---	---	---	---	---	7
8	---	---	0B	271	0	0	---	---	---	---	---	---	8
9	---	---	0B	176	0	0	---	---	---	---	---	---	9
10	---	---	0B	162	0	0	---	---	---	---	---	---	10
11	---	---	0B	153	0	0	---	---	---	---	---	---	11
12	---	---	0B	148	0	0	---	---	---	---	---	---	12
13	---	---	0B	147	0	0	---	---	---	---	---	---	13
14	---	---	0B	146	0	0	---	---	---	---	---	---	14
15	---	---	0B	128	0	0	---	---	---	---	---	---	15
16	---	---	0B	108	0	0	---	---	---	---	---	---	16
17	---	---	0B	77.5	0	0	---	---	---	---	---	---	17
18	---	---	0B	28.7	0	0	---	---	---	---	---	---	18
19	---	---	0B	0	0	0	---	---	---	---	---	---	19
20	---	---	0B	0	0	0	---	---	---	---	---	---	20
21	---	---	0B	0	0	0	---	---	---	---	---	---	21
22	---	---	0B	0	0	0	---	---	---	---	---	---	22
23	---	---	0B	0	0	0	---	---	---	---	---	---	23
24	---	---	0B	0	0	0	---	---	---	---	---	---	24
25	---	---	0B	0	0	0	---	---	---	---	---	---	25
26	---	---	0B	0	0	0	---	---	---	---	---	---	26
27	---	---	0B	0	0	0	---	---	---	---	---	---	27
28	---	---	0B	0	0	0	---	---	---	---	---	---	28
29	---		0B	0	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---	---	---	---	---	31
TOTAL	---	---	0	1 891.25	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	58.4	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	271	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.9
MAXIMUM DAILY, 271 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
493B AT 15 45 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	148 000	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 148 000 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.817	280.911	280.934	282.287	284.678	284.757	284.703	284.638	284.388	280.780	280.518	280.877	1
2	280.867	280.888	280.930	282.301	284.709	284.735	284.705	284.601	284.420	280.911	280.582	280.854	2
3	280.852	280.862	280.939	282.318	284.698	284.714A	284.707	284.635	284.439	280.980	280.777	280.841	3
4	280.861	280.839	280.944	282.348	284.685	284.717	284.700	284.628	284.446	281.088	280.864	280.845	4
5	280.823	280.855	280.946	282.413	284.670	284.722	284.693	284.640	284.445	281.016	280.838A	280.757	5
6	280.858	280.895	280.980	282.430A	284.670	284.738	284.684	284.653	284.450	280.858	280.570A	280.700	6
7	280.838	280.881	280.957	282.498E	284.668	284.719	284.682	284.691	284.465	280.763	280.589	280.893	7
8	280.841	280.838	280.989	282.563E	284.684	284.698	284.680	284.682	284.432	280.746	280.663	280.974	8
9	280.870	280.934	280.994	283.629A	284.698	284.685	284.680	284.684	284.418	280.850	280.615	280.901	9
10	280.849	280.902	281.000	283.787	284.681	284.678	284.685	284.688	284.375	280.800	280.659	280.805	10
11	280.835	280.840	280.894	283.785	284.679	284.684	284.702	284.683	284.283	280.700	280.633	280.727	11
12	280.847	280.846	280.872	283.870	284.695	284.685	284.713	284.682	284.197	280.648	280.727	280.772	12
13	280.873	280.911	280.820	283.908	284.679	284.686	284.715	284.682	284.109	280.572	280.595	280.718E	13
14	280.843	280.889	281.083	283.898	284.688	284.680	284.717	284.703	284.022	280.548	280.563	280.850E	14
15	280.880	280.889	281.053	283.982	284.686	284.678	284.712	284.781	283.921	280.500	280.622	280.804E	15
16	280.801	280.874	280.952	283.950	284.737	284.686	284.707	284.821	283.824	280.493A	280.647	280.548A	16
17	280.840	280.883	280.930	283.948	284.724	284.683	284.698	284.724	283.808	---	280.571	280.451	17
18	280.849	280.840	280.973	284.044	284.708	284.651	284.690	284.635	283.683	---	280.777	280.594	18
19	280.804	280.889	280.884	284.171	284.712	284.656	284.723	284.574	283.478	---	281.082	280.717	19
20	280.842	280.977	280.913	284.082	284.740	284.695	284.719	284.523	283.274	---	281.272	280.811	20
21	280.861	280.879	280.979	284.168	284.783	284.717	284.708	284.498	283.020	---	281.407	280.728	21
22	280.811	280.838	280.971	284.582	284.773A	284.730	284.705	284.473	282.817	---	281.585	280.607	22
23	280.884	280.921	281.168	284.620	284.770A	284.727	284.717	284.457	282.630	---	281.497	280.769	23
24	280.874	280.883	281.331	284.611	284.774	284.715	284.718	284.457	282.458	---	281.493	280.570	24
25	280.884	280.894	281.497	284.648	284.781	284.702	284.713	284.441	282.310	---	281.030	280.551	25
26	280.802	280.914	281.644	284.624	284.782	284.685	284.705	284.426	282.540A	---	280.859	280.587	26
27	280.815	280.908	281.778	284.617	284.768	284.697	284.697	284.417	282.0818	280.580A	281.038	280.830	27
28	280.870	280.857	281.900	284.713	284.756	284.685	284.687	284.413	281.583E	280.525	280.988	280.851	28
29	280.908		281.988	284.701	284.745	284.686	284.678	284.408	281.1064A	280.544	280.890	280.703	29
30	280.913		282.050	284.689	284.749	284.691	284.681	284.399	280.969	280.508	280.853	280.773	30
31	280.918		282.207		284.754		284.644	284.394		280.550		280.821	31
MEAN	280.863	280.901	281.178	283.738	284.716	284.699	284.698	284.583	283.478	---	280.868	280.718	MEAN
MAX	280.894	280.978	282.207	284.713	284.783	284.757	284.723	284.821	284.480	---	281.595	280.974	MAX
MIN	280.802	280.839	280.848	282.287	284.689	284.681	284.644	284.384	280.969	---	280.518	280.451	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 284.821 ON AUG 18
MINIMUM DAILY, 280.451 ON DEC 17
MAXIMUM INSTANTANEOUS,
284.829 AT 01 39 CST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 10 N
LONG 98 20 10 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1970

DRAINAGE AREA,
152 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RAT RIVER NEAR OTTERBURNE - STATION NO. 05OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4720	0.1920	0.3530	11.1 B	5.86	2.23	0.159	0.285	0.001E	0.010	0.183	0.093	1
2	0.4840	0.1850	0.3630	10.4 B	5.46	2.03	0.116	0.395	0.001E	0.012	0.180	0.094	2
3	0.4880	0.2030	0.4180	10.8 B	5.86	1.86	0.084	0.284	0.001E	0.021	0.150	0.0938	3
4	0.4850	0.2020	0.4610	13.2 B	5.50	1.78	0.065	0.268	0.001E	0.044	0.107	0.0938	4
5	0.4760	0.1960	0.5760	18.0 B	5.11	1.77	0.059	0.251	0.001E	0.065	0.104	0.092	5
6	0.4610	0.1960	0.6010	26.5 B	4.71	1.80	0.062	0.223	0.001E	0.111	0.102	0.086	6
7	0.4590	0.1960	0.5920	36.9	4.35	1.71	0.067	0.189	0.001E	0.089	0.103	0.081	7
8	0.4760	0.1810	0.5420	36.4	4.08	1.59	0.065	0.173	0.001E	0.082	0.100	0.101	8
9	0.4830	0.1890	0.4770	34.5	3.79	1.65	0.056	0.145	0.001E	0.086	0.101	0.106	9
10	0.4780	0.1930	0.4190	32.2	3.63	1.38	0.067	0.126	0.001	0.115	0.101	0.103	10
11	0.4800	0.2060	0.4140	29.9	3.26	1.21	0.083	0.113	0.002	0.135	0.090	0.114	11
12	0.4770	0.2120	0.4880	27.2	3.00	1.13	0.280	0.098	0.007	0.159	0.093	0.1098	12
13	0.4760	0.2230	0.4870	25.1	2.77	1.05	0.423	0.085	0.008	0.172	0.092	0.1148	13
14	0.4760	0.2520	0.5010	22.5	2.59	0.937	0.338	0.078	0.002	0.207	0.095	0.1168	14
15	0.4930	0.3730	0.4580	20.0	2.36	0.818	0.263	0.068	0.003	0.259	0.107	0.1158	15
16	0.4290	0.2840	0.3720	18.2	2.09	0.858	0.223	0.058	0.004	0.292	0.115	0.1148	16
17	0.4230	0.2900	0.3068	16.9	1.92	0.838	0.244	0.087	0.005	0.253	0.111	0.1088	17
18	0.4020	0.2770	0.2960	16.2	1.72	0.644	0.223	0.108	0.010	0.190	0.1118	0.1028	18
19	0.3808	0.2708	0.3720	15.8	1.51	0.500	0.361	0.148	0.015	0.159	0.1128	0.0988	19
20	0.3648	0.2688	0.4348	14.8	1.31	0.452	0.998	0.144	0.013	0.148	0.1108	0.0948	20
21	0.3438	0.2688	0.5488	14.2	1.31	0.444	1.18	0.114	0.009	0.152	0.101	0.0948	21
22	0.3258	0.2768	1.64 B	13.8	1.53	0.480	1.09	0.087	0.005	0.158	0.096	0.0948	22
23	0.3068	0.2818	3.78 B	13.4	1.72	0.501	1.02	0.073	0.001E	0.153	0.091	0.0938	23
24	0.2878	0.2848	5.93 B	12.0	1.71	0.498	0.926	0.100	0.001E	0.155	0.094	0.0918	24
25	0.2748	0.2958	7.56 B	11.2	1.88	0.416	0.820	0.109	0.001	0.184	0.094	0.0878	25
26	0.2588	0.3118	8.29 B	10.4	1.84	0.357	0.702	0.043	0.004	0.178	0.094	0.0838	26
27	0.2378	0.3288	8.59 B	9.56	1.83	0.302	0.606	0.028	0.004	0.155	0.088	0.080	27
28	0.2218	0.3438	7.75 B	8.92	1.98	0.282	0.492	0.012	0.008	0.155	0.090	0.077	28
29	0.2138		8.60 B	8.20	2.44	0.232	0.378	0.001	0.008	0.161	0.091	0.076	29
30	0.2088		9.91 B	7.82	2.55	0.188	0.344	0.001E	0.010	0.188	0.092	0.075	30
31	0.1998		11.2 B		2.44		0.320	0.001E		0.188		0.077	31
TOTAL	12.013	6.895	82.827	545.82	93.84	28.287	11.948	3.862	0.126	4.406	3.129	2.964	TOTAL
MEAN	0.388	0.246	2.67	18.2	3.02	0.978	0.385	0.125	0.004	0.142	0.104	0.096	MEAN
MAX	0.493	0.343	11.2	36.9	5.86	2.23	1.18	0.395	0.018	0.292	0.183	0.118	MAX
MIN	0.198	0.189	0.298	7.82	1.31	0.188	0.048	0.001	0.001	0.010	0.084	0.075	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 36.9 ON APR 8
MINIMUM DAILY, 0.001 ON AUG 25
MAXIMUM INSTANTANEOUS,
37.1 AT 00 50 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 25 W
DRAINAGE AREA, 1 390 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 040	JUL	1 030
FEB	595	AUG	334
MAR	7 140	SEP	10.9
APR	47 200	OCT	381
MAY	8 090	NOV	270
JUN	3 930	DEC	256

TOTAL DISCHARGE, 69 900 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05QE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.500	5.05	5.47	1.55	0.321	0.293	0.001	0.002	---	---	1
2	---	---	0.500	5.47	5.23	1.55	0.286	0.285	0.001	0.002	---	---	2
3	---	---	0.500	5.15	4.87	1.55	0.305	0.243	0.000	0.001	---	---	3
4	---	---	0.500	11.1	4.72	1.59	0.283	0.214	0.000	0.002	---	---	4
5	---	---	0.500	15.5	4.50	1.48	0.272	0.201	0.002	0.004	---	---	5
6	---	---	0.500	15.3	4.30	1.41	0.262	0.160	0	0.003	---	---	6
7	---	---	0.500	15.5	4.04	1.28	0.252	0.183	0	0.001	---	---	7
8	---	---	0.500	14.4	3.80	1.44	0.218	0.158	0	0.003	---	---	8
9	---	---	0.500	14.2	3.41	1.12	0.200	0.130	0	0.003	---	---	9
10	---	---	0.500	13.7	3.07	1.01	0.274	0.108	0	0.001	---	---	10
11	---	---	0.500	12.5	2.73	0.980	0.312	0.085	0	0.001	---	---	11
12	---	---	0.500	11.4	2.48	0.938	0.336	0.062	0	0.001	---	---	12
13	---	---	0.500	10.7	2.32	0.851	0.340	0.018	0	0	---	---	13
14	---	---	0.500	10.3	1.98	0.695	0.359	0.045	0	0	---	---	14
15	---	---	0.500	9.84	1.88	0.972	0.400	0.201	0.003	0	---	---	15
16	---	---	0.540	9.43	1.88	0.818	0.324	0.158	0.002	0.001	---	---	16
17	---	---	0.583A	9.13	1.62	0.823	0.393	0.123	0.001	0.001	---	---	17
18	---	---	0.581	9.18	1.30	0.801	0.315	0.082	0.001	0.001	---	---	18
19	---	---	0.803	9.08	1.13	0.492	0.887	0.038	0.003	0.001	---	---	19
20	---	---	0.880	8.80	1.08	0.491	0.818	0.012	0.002	0.001	---	---	20
21	---	---	0.955	8.56	1.41	0.540	0.781	0.020	0.001	0.001	---	---	21
22	---	---	1.43	8.38	1.58	0.517	0.788	0.004	0.001	0.001	---	---	22
23	---	---	1.48	8.08	1.48	0.478	0.704	0.003	0.001	0.001	---	---	23
24	---	---	1.77	7.75	1.42	0.438	0.815	0.002	0.001	0.001	---	---	24
25	---	---	2.10	7.38	1.38	0.400	0.822	0.001	0.001	0.001	---	---	25
26	---	---	2.52 B	7.08	1.31	0.382	0.465	0.002	0.001	0.002	---	---	26
27	---	---	2.85 B	6.78	1.87	0.357	0.358	0.002	0.002	0.001	---	---	27
28	---	---	2.92	6.43	2.28	0.343	0.328	0.003	0.002	0.001	---	---	28
29	---	---	4.28	6.02	2.28	0.321	0.305	0.003	0.001	0.001	---	---	29
30	---	---	4.85	5.78	2.15	0.310	0.308	0.003	0.001	0.001	---	---	30
31	---	---	5.48		1.88		0.320	0.001		0.001	---	---	31
TOTAL	---	---	41.002	297.98	79.80	24.753	12.318	2.771	0.039	0.041	---	---	TOTAL
MEAN	---	---	1.32	9.93	2.58	0.825	0.397	0.089	0.001	0.001	---	---	MEAN
MAX	---	---	5.48	15.5	5.47	1.55	0.818	0.295	0.006	0.004	---	---	MAX
MIN	---	---	0.500	5.78	1.08	0.310	0.200	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 15.5 ON APR 5
MINIMUM DAILY, 0 ON SEP 5
MAXIMUM INSTANTANEOUS
20.7 AT 02:12 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 04 N
LONG 96 56 39 W
DRAINAGE AREA, 905 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1 080	
FEB	---	AUG 239	
MAR 2 540		SEP 3.37	
APR 25 700		OCT 3.54	
MAY 6 900		NOV ---	
JUN 2 140		DEC ---	

TOTAL DISCHARGE, 39 800 dam³

RAT RIVER NEAR SUNDOWN - STATION NO. 05QE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4636	0.2606	0.3716	3.716	1.97	1.56	0.159	0.130	0.014	0.184	0.367	0.2648	1
2	0.4488	0.2648	0.3768	3.888	1.89	1.29	0.139	0.116	0.011	0.173	0.373	0.2788	2
3	0.4378	0.3038	0.3808	4.298	1.75	1.29	0.131	0.107	0.009	0.161	0.381	0.2728	3
4	0.4148	0.3018	0.3728	5.148	1.63	1.18	0.132	0.095	0.007	0.160	0.350	0.2438	4
5	0.4028	0.3208	0.3848	7.308	1.54	1.05	0.122	0.083	0.006	0.178	0.339	0.2308	5
6	0.3848	0.3138	0.4598	8.898	1.50	0.974	0.118	0.075	0.006	0.219	0.383	0.2218	6
7	0.4038	0.3338	0.8138	11.2	1.39	0.926	0.112	0.084	0.005	0.306	0.598	0.2308	7
8	0.4138	0.3418	0.8928	10.2	1.31	0.884	0.141	0.085	0.004	0.373	0.936	0.2478	8
9	0.4058	0.3488	0.5698	10.4	1.22	0.860	0.178	0.080	0.004	0.386	0.417	0.2858	9
10	0.3849	0.3508	0.5058	10.1	1.13	0.810	0.215	0.068	0.002	0.403	0.342	0.2338	10
11	0.4058	0.3488	0.4858	10.4	1.06	0.981	0.251	0.068	0.001	0.410	0.306	0.2328	11
12	0.3978	0.3328	0.5248	13.1	1.01	1.84	0.297	0.068	0.002	0.408	0.276	0.2168	12
13	0.4188	0.3388	0.4598	11.0	1.02	1.48	0.345	0.067	0.004	0.409	0.258	0.2148	13
14	0.4188	0.3228	0.5748	8.98	1.02	1.10	0.389	0.068	0.006	0.406	0.252	0.2068	14
15	0.3978	0.3238	0.5248	7.48	1.04	1.03	0.418	0.053	0.009	0.404	0.257	0.1998	15
16	0.3868	0.3308	0.4418	8.53	1.05	0.861	0.437	0.057	0.014	0.401	0.253	0.1868	16
17	0.3678	0.3478	0.3828	9.80	1.08	0.705	0.448	0.058	0.021	0.396	0.2898	0.1718	17
18	0.3408	0.3508	0.3788	9.28	1.08	0.571	0.448	0.060	0.031	0.395	0.2728	0.1588	18
19	0.3438	0.3268	0.4678	8.94	1.07	0.485	0.478	0.064	0.035	0.380	0.2418	0.1548	19
20	0.3578	0.3368	0.7038	8.88	1.01	0.418	1.05	0.067	0.063	0.383	0.2888	0.1508	20
21	0.3838	0.3288	1.14 B	8.30	0.972	0.368	1.31	0.068	0.105	0.374	0.2618	0.1468	21
22	0.3718	0.3138	1.76 B	7.82	1.48	0.356	0.824	0.058	0.137	0.383	0.2308	0.1418	22
23	0.3768	0.3088	2.12 B	7.42	1.55	0.358	0.888	0.054	0.148	0.350	0.2188	0.1348	23
24	0.2868	0.3018	2.85 B	7.09	1.33	0.345	0.815	0.047	0.158	0.337	0.2178	0.1248	24
25	0.2268	0.2988	3.84 B	6.87	1.29	0.321	0.789	0.041	0.185	0.333	0.2028	0.1148	25
26	0.2068	0.3138	4.58 B	6.88	1.28	0.293	0.629	0.033	0.188	0.328	0.1888	0.1088	26
27	0.1978	0.3188	5.44 B	6.49	1.82	0.284	0.490	0.029	0.188	0.322	0.1838	0.1028	27
28	0.1988	0.3488	5.80 B	6.34	2.42	0.243	0.389	0.027	0.171	0.328	0.2068	0.0828	28
29	0.2098		5.66 B	6.14	2.50	0.214	0.288	0.024	0.178	0.339	0.2298	0.0858	29
30	0.2238		4.89 B	1.98	2.37	0.184	0.303	0.019	0.182	0.350	0.2498	0.0858	30
31	0.2348		3.94 B		1.87		0.154	0.015		0.358		0.0898	31
TOTAL	10.919	9.022	52.438	210.45	44.382	23.084	12.726	1.784	1.823	10.336	8.918	5.570	TOTAL
MEAN	0.352	0.323	1.69	7.02	1.43	0.769	0.410	0.058	0.061	0.333	0.297	0.180	MEAN
MAX	0.463	0.350	5.84	13.4	2.50	1.84	1.31	0.130	0.182	0.410	0.598	0.278	MAX
MIN	0.197	0.260	0.380	1.98	0.972	0.184	0.112	0.015	0.001	0.180	0.183	0.085	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 13.4 ON APR 9
MINIMUM DAILY, 0.001 ON SEP 11
MAXIMUM INSTANTANEOUS
19.7 AT 16:50 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 96 17 00 W
DRAINAGE AREA, 415 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	963	JUL 1 100	
FEB	780	AUG 154	
MAR 4 530		SEP 154	
APR 18 200		OCT 883	
MAY 3 830		NOV 771	
JUN 1 990		DEC 481	

TOTAL DISCHARGE, 33 800 dam³

RED DEER LAKE NEAR BARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	281.880	---	281.880	281.687	282.175	282.008	282.009	281.972	281.848	281.787	281.805	281.797	1
2	281.885	---	281.859	281.685	282.157	281.974	281.941	281.936	281.880	281.885	281.780	281.796	2
3	281.884	---	281.859	281.884	282.116	282.000	281.924	281.973	281.834	281.885	281.787	281.789	3
4	281.882	---	281.855	281.887	282.121	282.021	281.987	281.932	281.823	281.787	281.774	281.790	4
5	281.878	---	281.857	281.889	282.116	282.036	281.979	281.956	281.834	281.727	281.804	281.790	5
6	281.875	---	281.855	281.882	282.121	282.064	281.987	281.926	281.808	281.719	281.819	281.786	6
7	281.870	---	281.850	281.714	282.121	282.044	281.978	281.931	281.785	281.747	281.825	281.786	7
8	281.869	---	281.844	281.749	282.061	282.033	281.998	281.932	281.781	281.835	281.814	281.784	8
9	281.868	---	281.845	281.795	282.114	282.042	282.009	281.936	281.814	281.706	281.817	281.779	9
10	281.868	---	281.845	281.836	282.107	282.048	282.032	281.947	281.827	281.704	281.808	281.781	10
11	281.869	---	281.844	281.872	282.095	282.034	282.031	281.900	281.813	281.752	281.815	281.778	11
12	281.866	---	281.843	281.893	282.090	282.049	282.010	281.858	281.821	281.761	281.802	281.777	12
13	281.862	---	281.843	281.917	282.068	282.022	282.010	281.887	281.817	281.887	281.817	281.775	13
14	281.857	---	281.843	281.944	282.080	282.008	282.033	281.901	281.814	281.721	281.838	281.778	14
15	281.859	---	281.842	281.956	282.070	282.037	282.032	281.919	281.834	281.773	281.803	281.770	15
16	281.857	---	281.842	281.878	282.080	282.033	282.032	281.888	281.783	281.737	281.808	281.788	16
17	281.857	---	281.843	281.898	282.058	282.013	282.026	281.884	281.808	281.725	281.805	281.787	17
18	---	---	281.846	282.017	282.048	282.004	282.054	281.885	281.817	281.704	281.804	281.789	18
19	---	---	281.845	282.031	282.053	282.020	282.034	281.858	281.808	281.728	281.801	281.770	19
20	---	---	281.854	282.047	282.023	282.019	281.992	281.881	281.821	281.788	281.803	281.788	20
21	---	---	281.880	282.081	282.038	282.023	282.011	281.883	281.808	281.771	281.805	281.780	21
22	---	---	281.869	282.072	282.017	281.981	282.012	281.884	281.788	281.748	281.807	281.783	22
23	---	---	281.880	282.084	282.013	281.980	282.012	281.888	281.825	281.778	281.804	281.784	23
24	---	---	281.869	282.114	282.021	281.925	282.027	281.874	281.787	281.780	281.806	281.784	24
25	---	281.856A	281.859	282.117	282.008	281.963	282.022	281.877	281.781	281.781	281.804	281.783	25
26	---	281.857	281.856	282.092	282.011	281.985	282.027	281.880	281.780	281.729	281.803	281.782	26
27	---	281.859	281.853	282.120	282.031	281.981	282.018	281.880	281.779	281.777	281.801	281.783	27
28	---	281.880	281.856	282.130	282.047	281.959	282.011	281.850	281.747	281.788	281.803	281.781	28
29	---		281.858	282.148	282.018	281.942	282.007	281.806	281.788	281.770	281.801	281.747	29
30	---		281.859	282.162	282.046	281.948	282.008	281.834	281.744	281.788	281.788	281.739	30
31	---		281.885		282.039		282.003	281.827		281.814		281.737	31
MEAN	---	---	281.852	281.928	282.070	282.004	282.007	281.892	281.808	281.745	281.808	281.770	MEAN
MAX	---	---	281.885	282.162	282.175	282.064	282.064	281.973	281.880	281.835	281.838	281.796	MAX
MIN	---	---	281.842	281.884	282.008	281.925	281.924	281.808	281.744	281.887	281.787	281.737	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 282.175 ON MAY 1
MINIMUM DAILY, 281.842 ON MAR 15
MAXIMUM INSTANTANEOUS,
282.207 AT 15:30 CST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1913 ADJ.)

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

RED DEER RIVER NEAR THE MOUTH, LAKE WINNIPEGOSIS - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.080	5.658	4.548	6.448	28.0	37.8	30.3	23.2	15.1	16.3	12.6	9.688	1
2	7.020	5.788	4.518	7.218	26.5	29.0	30.2	22.4	11.3	10.9	15.9	9.848	2
3	7.020	5.738	4.458	7.898	30.6	28.9	19.0	21.5	13.8	11.3	15.4	9.458	3
4	6.988	5.708	4.398	8.658	33.6	28.8	19.2	18.4	14.0	13.8	22.6	9.318	4
5	6.968	5.638	4.338	9.598	35.3	27.1	20.9	16.8	13.5	16.4	14.2	9.138	5
6	6.948	5.608	4.308	10.58	32.8	24.6	21.8	21.2	14.4	12.0	16.0	8.938	6
7	6.948	5.648	4.278	11.58	31.4	26.7	28.2	19.4	17.9	13.5	15.8	8.798	7
8	6.908	5.618	4.248	13.0	33.2	27.0	26.8	20.3	16.1	12.3	11.9	8.618	8
9	6.908	5.488	4.188	14.2	31.8	26.1	27.4	18.4	14.0	19.0	11.58	8.488	9
10	6.868	5.398	4.158	16.0	28.8	24.1	28.9	16.0	13.9	17.9	11.88	8.318	10
11	6.868	5.368	4.128	17.1	30.1	27.6	26.8	19.9	14.2	14.9	11.48	8.198	11
12	6.838	5.298	4.098	16.1	27.3	25.3	26.7	21.1	13.0	16.1	11.58	8.048	12
13	6.758	5.268	4.068	15.2	31.9	27.1	26.2	17.3	12.4	22.5	11.48	7.898	13
14	6.728	5.208	4.038	19.6	30.4	26.9	25.5	16.1	12.5	19.3	11.38	7.788	14
15	6.688	5.178	4.008	20.3	28.4	23.4	25.0	16.4	12.0	12.8	11.28	7.628	15
16	6.638	5.118	4.008	21.7	28.9	20.0	27.0	17.8	12.1	14.2	11.18	7.478	16
17	6.588	5.068	4.008	22.5	27.1	27.9	28.0	17.3	15.0	15.8	11.08	7.368	17
18	6.538	5.028	4.008	23.3	24.4	26.6	24.6	19.2	18.4	21.3	10.98	7.218	18
19	6.478	4.988	4.008	24.7	24.6	24.4	25.2	18.0	14.6	19.7	10.68	7.058	19
20	6.418	4.938	4.008	26.4	32.5	23.4	27.4	17.6	13.0	16.2	10.78	6.908	20
21	6.368	4.878	4.068	26.6	25.4	22.5	26.3	20.3	13.2	13.2	10.68	6.798	21
22	6.328	4.848	4.188	27.6	24.3	23.8	25.0	20.8	14.0	13.6	10.58	6.688	22
23	6.288	4.788	4.308	28.6	24.4	24.8	25.5	18.2	13.1	15.3	10.48	6.538	23
24	6.228	4.758	4.398	28.4	24.1	25.2	24.8	17.2	13.1	13.0	10.38	6.418	24
25	6.188	4.698	4.458	29.1	21.2	26.3	24.7	16.0	13.1	14.5	10.28	6.288	25
26	6.138	4.668	4.638	33.7	21.3	20.3	23.1	15.0	11.6	16.6	10.28	6.198	26
27	6.078	4.638	4.848	33.0	20.3	19.1	23.6	16.1	12.1	16.9	10.18	6.078	27
28	6.048	4.808	5.088	32.8	23.6	19.2	23.6	15.7	13.3	14.6	9.978	5.948	28
29	5.988		5.308	31.7	30.2	19.3	22.6	20.6	13.8	16.6	9.878	5.858	29
30	5.948		5.518	28.9	28.6	18.8	21.4	20.3	11.0	14.1	9.788	5.738	30
31	5.858		5.918		28.9		20.6	18.4		13.3		5.638	31
TOTAL	203.46	145.38	138.18	618.08	885.8	740.2	788.8	578.4	410.1	476.1	381.72	233.88	TOTAL
MEAN	6.56	5.19	4.39	20.6	28.0	24.7	24.5	18.8	13.7	15.4	12.1	7.54	MEAN
MAX	7.08	5.85	5.91	33.7	35.3	29.0	30.2	23.2	18.0	22.5	22.6	9.68	MAX
MIN	5.85	4.60	4.00	6.44	20.3	18.8	18.0	15.0	11.0	10.9	9.78	5.63	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1987

MEAN, 15.1
MAXIMUM DAILY, 35.3 ON MAY 5
MINIMUM DAILY, 4.008 ON MAR 15
MAXIMUM INSTANTANEOUS,
41.3 AT 15:55 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 45 N
LONG 101 02 35 W
DRAINAGE AREA, 14 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	17 600	JUL	85 500
FEB	13 800	AUG	49 800
MAR	11 800	SEP	35 400
APR	53 400	OCT	41 300
MAY	76 500	NOV	31 300
JUN	64 000	DEC	20 200

TOTAL DISCHARGE, 478 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OCO21

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	228.714	224.411	224.537	---	---	---	---	---	---	1
2	---	---	---	228.688	224.311	224.585	---	---	---	---	---	---	2
3	---	---	---	227.062	224.213	224.587	---	---	---	---	---	---	3
4	---	---	---	227.315	224.138	224.529	---	---	---	---	---	---	4
5	---	---	---	227.813	224.079	224.429	---	---	---	---	---	---	5
6	---	---	---	---	224.014	224.327	---	---	---	---	---	---	6
7	---	---	---	---	224.014	224.225	---	---	---	---	---	---	7
8	---	---	---	230.706A	223.985	224.130A	---	---	---	---	---	---	8
9	---	---	---	230.877	223.949	---	---	---	---	---	---	---	9
10	---	---	---	231.080	223.918	---	---	---	---	---	---	---	10
11	---	---	---	230.958	223.907	---	---	---	---	---	---	---	11
12	---	---	232.820A	230.710	223.847	---	---	---	---	---	---	---	12
13	---	---	233.247	230.328	223.624	---	---	---	---	---	---	---	13
14	---	---	233.677	229.987	223.633	---	---	---	---	---	---	---	14
15	---	---	234.011	229.593	223.857	---	---	---	---	---	---	---	15
16	---	---	234.222	229.243	223.837	---	---	---	---	---	---	---	16
17	---	---	234.322	228.982	223.788	---	---	---	---	---	---	---	17
18	---	---	234.353	228.586	223.743	---	---	---	---	---	---	---	18
19	---	---	234.328	227.871	223.749	---	---	---	---	---	---	---	19
20	---	---	234.283	227.389	223.838	---	---	---	---	---	---	---	20
21	---	---	234.249	226.951	223.867	---	---	---	---	---	---	---	21
22	---	---	234.206	226.489	223.810	---	---	---	---	---	---	---	22
23	---	---	234.203	226.045	223.781	---	---	---	---	---	---	---	23
24	---	---	234.373	225.684	223.766	---	---	---	---	---	---	---	24
25	---	---	234.582	225.383	223.820	---	---	---	---	---	---	---	25
26	---	---	234.681	225.104	223.891	---	---	---	---	---	---	---	26
27	---	---	235.277	224.808	224.023	---	---	---	---	---	---	---	27
28	---	---	235.670	224.728	224.172	---	---	---	---	---	---	---	28
29	---		235.848	224.588	224.274	---	---	---	---	---	---	---	29
30	---		236.238	224.486	224.323	---	---	---	---	---	---	---	30
31	---		236.481		224.424		---	---		---		---	31
MEAN	---	---	---	---	223.882	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	224.424	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	223.743	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 231.080 ON APR 10

MAXIMUM INSTANTANEOUS,
231.083 AT 01 31 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 10 N
LONG 97 08 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ)

RED RIVER ABOVE RED RIVER FLOODWAY - STATION NO. 05OCO26

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	228.000A	---	---	---	---	---	---	---	---	5
6	---	---	---	228.884	---	---	---	---	---	---	---	---	6
7	---	---	---	229.696	---	---	---	---	---	---	---	---	7
8	---	---	---	230.887	---	---	---	---	---	---	---	---	8
9	---	---	---	231.092	---	---	---	---	---	---	---	---	9
10	---	---	---	231.117	---	---	---	---	---	---	---	---	10
11	---	---	---	231.008	---	---	---	---	---	---	---	---	11
12	---	---	---	230.752	---	---	---	---	---	---	---	---	12
13	---	---	---	230.404	---	---	---	---	---	---	---	---	13
14	---	---	---	230.088	---	---	---	---	---	---	---	---	14
15	---	---	---	229.887	---	---	---	---	---	---	---	---	15
16	---	---	---	229.337	---	---	---	---	---	---	---	---	16
17	---	---	---	229.071	---	---	---	---	---	---	---	---	17
18	---	---	---	228.873	---	---	---	---	---	---	---	---	18
19	---	---	---	228.009	---	---	---	---	---	---	---	---	19
20	---	---	---	227.528	---	---	---	---	---	---	---	---	20
21	---	---	---	227.084	---	---	---	---	---	---	---	---	21
22	---	---	---	226.618	---	---	---	---	---	---	---	---	22
23	---	---	---	226.186	---	---	---	---	---	---	---	---	23
24	---	---	---	225.787	---	---	---	---	---	---	---	---	24
25	---	---	---	225.486	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 231.117 ON APR 10

MAXIMUM INSTANTANEOUS,
231.135 AT 00 25 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 26 N
LONG 97 07 48 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ)

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	56.38	44.48	47.98	6208	170	280	42.8	210	37.0	30.7	23.8	22.98	1
2	56.48	44.48	47.88	6808	159	286	41.7	178	37.1	30.4	24.4	22.98	2
3	56.58	44.98	47.48	7408	147	241	41.2	149	37.9	31.2	24.7	22.98	3
4	56.48	45.18	47.38	8008	137	215	40.7	125	38.8	30.5	25.0	22.88	4
5	56.48	45.28	47.38	8608	130	189	39.8	108	38.8	28.5	24.7	22.58	5
6	56.38	44.98	47.78	9208	123	155	39.1	95.9	38.0	27.8	24.5	22.38	6
7	56.98	44.58	48.68	1 020	117	146	38.5	89.0	36.0	27.3	24.4	22.48	7
8	55.18	44.18	49.88	1 050	112	126	37.8	85.2	33.3	26.3	23.9	22.38	8
9	54.38	44.18	52.58	1 080	105	114	40.2	81.0	30.9	24.7	23.2	22.38	9
10	53.58	44.08	62.98	1 050	99.3	104	44.9	77.9	29.4	24.2	23.9	21.68	10
11	53.18	44.48	98.38	1 030	93.7	97.2	48.3	74.5	27.8	23.9	24.0	21.68	11
12	52.98	44.98	142	8	885	89.8	91.5	48.1	76.0	27.5	23.9	24.2	21.48	12
13	52.88	45.88	172	8	852	83.1	85.2	49.4	85.1	27.2	22.0	24.3	20.98	13
14	52.38	45.88	188	8	890	77.8	79.8	49.0	82.7	27.2	21.0	24.0	20.58	14
15	51.48	46.08	198	8	813	73.7	76.4	46.0	81.0	27.1	20.4	23.8	19.98	15
16	50.48	46.58	201	8	715	70.2	72.1	42.9	56.4	27.0	20.5	23.1	19.38	16
17	48.88	46.98	199	8	883	67.2	70.6	40.5	56.2	27.0	20.8	22.9	19.38	17
18	48.08	47.08	194	8	808	65.1	68.4	40.0	53.8	27.1	21.0	22.8	19.18	18
19	48.38	47.08	190	8	541	63.1	65.9	42.6	53.1	27.9	21.2	23.6	18.88	19
20	48.78	46.98	188	8	477	61.8	63.3	44.2	54.1	28.0	21.3	27.4	18.68	20
21	48.38	46.48	184	8	418	63.8	61.8	44.4	54.4	29.0	21.1	25.0	18.48	21
22	48.58	45.48	186	8	367	66.6	58.2	44.4	52.1	30.7	20.8	23.2	18.08	22
23	47.98	45.28	202	8	317	72.2	54.8	45.3	50.3	31.3	20.2	25.0	17.78	23
24	47.48	45.98	233	8	278	80.1	51.8	52.0	48.0	31.2	20.3	23.7	17.58	24
25	47.08	47.08	275	8	249	108	50.5	117	45.9	31.1	20.4	22.2	17.58	25
26	46.68	47.68	321	8	229	162	48.3	205	43.1	31.3	20.8	21.68	17.58	26
27	46.58	48.08	374	8	213	195	47.6	256	41.0	31.7	21.2	21.28	17.48	27
28	46.48	48.18	423	8	200	204	47.0	285	39.5	31.7	21.6	21.98	17.28	28
29	46.28		461	8	187	211	45.2	291	38.5	31.5	22.0	22.78	16.98	29
30	46.78		530	8	178	242	43.8	280	37.8	31.4	21.9	23.18	17.08	30
31	46.08		576	8		274		268	37.1		22.7		17.18	31
TOTAL	1 584.1	1 280.5	5 052.5	19 118	3 723.2	3 127.5	2 727.8	2 283.2	941.7	728.5	712.1	618.8	TOTAL
MEAN	51.1	45.7	195	637	120	104	88.0	74.0	31.4	23.5	23.7	19.9	MEAN
MAX	56.5	48.1	576	1 080	274	280	291	210	38.8	31.2	27.4	23.9	MAX
MIN	46.0	44.0	47.3	178	61.9	43.8	37.8	37.1	27.0	20.2	21.2	18.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 118
MAXIMUM DAILY, 1 080 ON APR 9
MINIMUM DAILY, 18.98 ON DEC 29

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	137 000	JUL	235 000
FEB	111 000	AUG	198 000
MAR	523 000	SEP	81 400
APR	1 650 000	OCT	63 000
MAY	322 000	NOV	61 500
JUN	270 000	DEC	53 300

TOTAL DISCHARGE, 3 710 000 dam³

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO. 05OJ015

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	222.116	222.052	221.842	224.774	223.797	223.753	223.758	223.703	223.714	223.652	222.626	221.381	1
2	222.114	222.061	221.834	224.985	223.749	223.753	223.710	223.710	223.724	223.647	222.422	221.387	2
3	222.115	222.058	221.829	225.158	223.723	223.764	223.737	223.708	223.704	223.652	222.245	221.387	3
4	222.108	222.049	221.815	225.363	223.717	223.754	223.730	223.698	223.713	223.654	221.987	221.388	4
5	222.121	222.044	221.818	225.578	223.709	223.729	223.714	223.706	223.730	223.713	221.736	221.390	5
6	222.126	222.038	221.830	226.833	223.691	223.720	223.711	223.688	223.744	223.719	221.582	221.389	6
7	222.123	222.025	221.831	227.048	223.749	223.715	223.782	223.684	223.736	223.716	221.491	221.417	7
8	222.113	222.071	221.874	227.427	223.732	223.752	223.755	223.607	223.736	223.686	221.486	221.441	8
9	222.108	222.088	222.043	227.295	223.709	223.747	223.737	223.613	223.710	223.630	221.484	221.432	9
10	222.098	222.036	221.980	227.142	223.707	223.681	223.784	223.689	223.709	223.639	221.414	221.439	10
11	222.088	222.011	221.837	227.048	223.708	223.688	223.694	223.729	223.738	223.642	221.385	221.486	11
12	222.102	221.987	221.861	226.900	223.688	223.661	223.726	223.621	223.745	223.649	221.426	221.485	12
13	222.098	221.967	222.098	226.675	223.674	223.704	223.772	223.630	223.747	223.683	221.457	221.446	13
14	222.102	222.024	222.358	226.858	223.701	223.735	223.767	223.744	223.726	223.677	221.493	221.421	14
15	222.184	222.011	222.611	226.600	223.785	223.725	223.742	223.817	223.697	223.691	221.527	221.407	15
16	222.127	222.008	222.777	226.745	223.721	223.710	223.748	223.780	223.686	223.688	221.493	221.408	16
17	222.089	222.011	222.886	226.805	223.649	223.757	223.748	223.721	223.678	223.681	221.474	221.418	17
18	222.071	222.008	222.911	226.418	223.673	223.731	223.728	223.727	223.677	223.667	221.444	221.416	18
19	222.083	221.991	222.902	226.218	223.746	223.707	223.806	223.758	223.662	223.655	221.382	221.389	19
20	222.085	221.987	222.905	226.905	223.783	223.716	223.723	223.705	223.690	223.643	221.313	221.385	20
21	222.077	221.943	222.910	226.809	223.788	223.711	223.701	223.680	223.724	223.638	221.271	221.339	21
22	222.086	221.914	222.895	226.277	223.729	223.785	223.708	223.677	223.736	223.624	221.247	221.350	22
23	222.087	221.894	222.869	224.801	223.707	223.688	223.699	223.729	223.715	223.623	221.288	221.385	23
24	222.076	221.881	222.981	224.636	223.714	223.678	223.678	223.717	223.701	223.598	221.273	221.408	24
25	222.083	221.871	223.132	224.408	223.724	223.709	223.844	223.702	223.684	223.476	221.298	221.417	25
26	222.067	221.851	223.303	224.189	223.731	223.737	223.848	223.702	223.689	223.320	221.283	221.417	26
27	222.073	221.885	223.592	224.041	223.714	223.780	223.571	223.688	223.691	223.161	221.256	221.419	27
28	222.068	221.884	223.836	223.910	223.721	223.744	223.748	223.713	223.710	223.033	221.249	221.407	28
29	222.057		224.065	223.799	223.731	223.728	223.723	223.683	223.725	222.933	221.295	221.402	29
30	222.058		224.308	223.823	223.708	223.785	223.663	223.687	223.704	222.835	221.348	221.412	30
31	222.089		224.564		223.727		223.772	223.888		222.743		221.585	31
MEAN	222.085	221.945	222.860	225.788	223.721	223.727	223.719	223.688	223.712	223.527	221.521	221.411	MEAN
MAX	222.184	222.071	224.564	227.427	223.787	223.785	223.806	223.817	223.747	223.719	222.626	221.585	MAX
MIN	222.057	221.851	221.818	223.799	223.649	223.661	223.545	223.607	223.677	222.743	221.247	221.339	MIN

WATER LEVELS IN METRES

MEAN, 223.132
MAXIMUM DAILY, 227.427 ON APR 8
MINIMUM DAILY, 221.247 ON NOV 22
MAXIMUM INSTANTANEOUS,
227.949 AT 08:41 CST ON APR 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

REGULATED

DRAINAGE AREA,
287 000 km²

RED RIVER BELOW FLOODWAY CONTROL STRUCTURE - STATION NO 05OCO20

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	226.558	224.467	224.465	---	---	---	---	---	---	1
2	---	---	---	226.773	224.351	224.535	---	---	---	---	---	---	2
3	---	---	---	226.952	224.251	224.530	---	---	---	---	---	---	3
4	---	---	---	227.193	224.181	224.471	---	---	---	---	---	---	4
5	---	---	---	227.834	224.134	224.370	---	---	---	---	---	---	5
6	---	---	---	228.738	224.073	224.278	---	---	---	---	---	---	6
7	---	---	---	229.181	224.078	224.181	---	---	---	---	---	---	7
8	---	---	---	229.041A	224.068	224.113A	---	---	---	---	---	---	8
9	---	---	---	---	224.008	---	---	---	---	---	---	---	9
10	---	---	---	228.848A	223.982	---	---	---	---	---	---	---	10
11	---	---	---	228.761	223.963	---	---	---	---	---	---	---	11
12	---	---	---	228.705	223.907	---	---	---	---	---	---	---	12
13	---	---	---	228.739	223.880	---	---	---	---	---	---	---	13
14	---	---	---	228.892	223.885	---	---	---	---	---	---	---	14
15	---	---	---	228.867	223.923	---	---	---	---	---	---	---	15
16	---	---	---	228.583	223.894	---	---	---	---	---	---	---	16
17	---	---	---	228.377	223.818	---	---	---	---	---	---	---	17
18	---	---	---	228.142	223.787	---	---	---	---	---	---	---	18
19	---	---	---	227.816	223.845	---	---	---	---	---	---	---	19
20	---	---	---	227.382	223.895	---	---	---	---	---	---	---	20
21	---	---	---	226.939	223.915	---	---	---	---	---	---	---	21
22	---	---	---	226.501	223.837	---	---	---	---	---	---	---	22
23	---	---	224.028A	226.053	223.808	---	---	---	---	---	---	---	23
24	---	---	224.213	225.885	223.809	---	---	---	---	---	---	---	24
25	---	---	224.433	225.389	223.835	---	---	---	---	---	---	---	25
26	---	---	224.885	225.126	223.902	---	---	---	---	---	---	---	26
27	---	---	226.101	224.918	224.014	---	---	---	---	---	---	---	27
28	---	---	225.514	224.787	224.149	---	---	---	---	---	---	---	28
29	---		226.781	224.623	224.235	---	---	---	---	---	---	---	29
30	---		226.053	224.530	224.274	---	---	---	---	---	---	---	30
31	---		226.308		224.364		---	---		---		---	31
MEAN	---	---	---	---	224.018	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	224.467	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	223.787	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 229.181 ON APR 7

MAXIMUM INSTANTANEOUS,
229.552 AT 07:15 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 20 N
LONG 97 08 10 W

A - MANUAL GAUGE

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

RED RIVER FLOODWAY NEAR ST NORBERT - STATION NO. 05OCO17

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	5.00E	---	---	---	---	---	---	---	---	5
6	---	---	---	22.9	---	---	---	---	---	---	---	---	6
7	---	---	---	158	---	---	---	---	---	---	---	---	7
8	---	---	---	408	---	---	---	---	---	---	---	---	8
9	---	---	---	494	---	---	---	---	---	---	---	---	9
10	---	---	---	507	---	---	---	---	---	---	---	---	10
11	---	---	---	483	---	---	---	---	---	---	---	---	11
12	---	---	---	428	---	---	---	---	---	---	---	---	12
13	---	---	---	361	---	---	---	---	---	---	---	---	13
14	---	---	---	283	---	---	---	---	---	---	---	---	14
15	---	---	---	218	---	---	---	---	---	---	---	---	15
16	---	---	---	141	---	---	---	---	---	---	---	---	16
17	---	---	---	83.7	---	---	---	---	---	---	---	---	17
18	---	---	---	20.5 A	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MAXIMUM DAILY, 507 ON APR 10

MAXIMUM INSTANTANEOUS,
511 AT 02:00 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 36 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR LETELLIER - STATION NO. 05DC010

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	234.684	---	---	---	---	---	---	---	---	1
2	---	---	---	234.991	---	---	---	---	---	---	---	---	2
3	---	---	---	235.286	---	---	---	---	---	---	---	---	3
4	---	---	---	235.558	---	---	---	---	---	---	---	---	4
5	---	---	---	236.319	---	---	---	---	---	---	---	---	5
6	---	---	---	237.102	---	---	---	---	---	---	---	---	6
7	---	---	---	237.663	---	---	---	---	---	---	---	---	7
8	---	---	---	237.758	---	---	---	---	---	---	---	---	8
9	---	---	---	237.805	---	---	---	---	---	---	---	---	9
10	---	---	---	237.782	---	---	---	---	---	---	---	---	10
11	---	---	---	237.714	---	---	---	---	---	---	---	---	11
12	---	---	---	237.587	---	---	---	---	---	---	---	---	12
13	---	---	---	237.387	---	---	---	---	---	---	---	---	13
14	---	---	---	237.085	---	---	---	---	---	---	---	---	14
15	---	---	---	236.885	---	---	---	---	---	---	---	---	15
16	---	---	---	236.218	---	---	---	---	---	---	---	---	16
17	---	---	---	236.681	---	---	---	---	---	---	---	---	17
18	---	---	---	236.023	---	---	---	---	---	---	---	---	18
19	---	---	---	234.334A	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		234.127A	---	---	---	---	---	---	---	---	---	30
31	---		234.341		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 237.805 ON APR 9

MAXIMUM INSTANTANEOUS,
237.812 AT 23:20 CST ON APR 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1953 ADJ.)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 54 N
LONG 97 15 19 W

A - MANUAL GAUGE

REGULATED

RED RIVER NEAR LOCKPORT - STATION NO. 05OJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	70.08	66.18	88.88	5808	357	312	70.0	277	55.3	48.1	48.0	30.08	1
2	72.08	64.68	89.28	6008	333	318	68.4	252	54.4	46.4	43.0	31.88	2
3	76.08	67.28	88.18	6508	308	316	67.2	220	51.6	42.4	42.0	32.38	3
4	76.08	67.08	88.88	7008	290	301	66.3	190	54.6	43.3	41.0	33.88	4
5	80.08	64.68	88.98	1 0008	272	278	65.7	162	58.6	52.3	40.0	34.08	5
6	81.08	64.28	89.78	1 4008	256	258	83.6	140	58.0	52.4	39.7	34.58	6
7	82.08	65.38	88.98	1 6508	242	236	82.7	128	59.3	51.6	40.6	36.08	7
8	83.68	66.68	70.38	2 120	230	208	81.6	118	58.1	48.7	39.7	35.58	8
9	82.08	67.18	72.08	2 120	221	186	80.8	107	56.5	47.4	38.8	36.08	9
10	80.08	67.28	74.08	2 080	208	168	83.0	102	53.9	43.6	38.6	36.58	10
11	78.98	67.38	76.08	1 970	201	155	87.2	99.2	52.5	42.6	39.1	37.08	11
12	78.68	67.48	78.68	1 860	181	143	72.2	95.6	53.3	42.0	38.7	37.58	12
13	78.28	67.48	100 S	1 760	161	136	76.8	91.2	53.0	42.3	41.2	37.08	13
14	77.98	67.18	150 S	1 680	174	129	78.3	93.5	49.4	43.0	43.1	36.08	14
15	77.78	66.08	200 S	1 580	167	121	78.7	132	47.6	41.6	40.5	35.08	15
16	77.28	66.58	230 S	1 490	156	116	77.1	125	48.3	41.0	40.5	34.08	16
17	76.68	66.38	223 S	1 370	146	114	76.3	121	45.3	39.3	39.6	33.08	17
18	76.98	66.28	226 S	1 280	142	110	72.6	125	44.0	38.3	37.2	32.08	18
19	77.38	67.98	224 S	1 160	136	105	76.0	120	43.3	37.2	36.6	31.08	19
20	76.88	67.48	230 S	1 070	133	101	73.7	107	48.8	37.5	34.08	30.58	20
21	75.98	66.48	218 S	985	130	96.4	72.0	94.1	50.5	35.8	33.08	30.08	21
22	75.48	66.78	216 S	830	125	93.2	73.4	85.8	52.1	34.8	29.08	29.78	22
23	73.58	66.68	220 S	730	120	89.9	75.3	83.2	54.0	34.9	28.08	29.48	23
24	69.88	65.98	235 S	629	118	85.1	77.9	80.3	51.6	35.3	27.98	29.18	24
25	67.98	66.68	265 S	584	127	78.3	138	78.9	49.2	50.0	27.08	28.88	25
26	68.28	68.88	275 S	520	151	77.6	225	72.4	48.8	71.1	26.58	29.58	26
27	67.28	67.98	310 S	480	188	75.9	294	67.8	48.8	72.0	26.08	28.28	27
28	66.88	68.48	350 S	436	238	73.8	313	63.7	51.6	70.0	27.08	27.88	28
29	66.08		400 S	387	258	72.6	307	59.2	53.4	66.0	28.58	27.88	29
30	65.28		450 S	377	272	72.0	288	57.0	48.3	80.0	29.08	27.38	30
31	65.88		500 S		282		284	54.9		55.0		27.08	31
TOTAL	2 319 S	1 880.0	5 853.1	34 178	6 382	4 827.6	3 585.3	3 586.7	1 649.4	1 466.9	1 082.5	994.6	TOTAL
MEAN	74.8	67.1	189	1 140	206	164	115	116	51.6	47.3	36.1	32.1	MEAN
MAX	83.6	68.8	500	2 120	357	318	313	277	59.3	72.0	48.0	37.5	MAX
MIN	65.0	65.3	88.6	377	118	72.0	80.8	54.9	43.3	34.8	26.0	27.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 185
MAXIMUM DAILY, 2 120 ON APR 8
MINIMUM DAILY, 26.08 ON NOV 27
MAXIMUM INSTANTANEOUS,
2 180 AT 09:50 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 28 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²

S - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	200 000	JUL	308 000
FEB	162 000	AUG	310 000
MAR	505 000	SEP	134 000
APR	3 050 000	OCT	127 000
MAY	551 000	NOV	93 500
JUN	400 000	DEC	85 900

TOTAL DISCHARGE, 5 630 000 dam³

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

RED RIVER NEAR ST ADOLPHE - STATION NO 05OCE03

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	227.868	---	---	---	---	223.711E	223.659E	---	---	1
2	---	---	---	228.234	---	---	---	---	223.760	223.647	---	---	2
3	---	---	---	228.405	---	---	---	---	223.775E	---	---	---	3
4	---	---	---	229.021E	---	---	---	---	223.790	---	---	---	4
5	---	---	---	229.636	---	---	---	224.235	223.782E	---	---	---	5
6	---	---	---	230.269	---	---	---	---	223.734E	---	---	---	6
7	---	---	---	230.968	---	---	---	---	223.706E	---	---	---	7
8	---	---	223.248	231.645	---	---	---	---	223.678E	---	---	---	8
9	---	---	---	231.947	---	---	---	---	223.650	---	---	---	9
10	---	---	---	232.002	---	---	---	---	223.677E	---	---	---	10
11	---	---	---	231.916	---	---	---	---	223.705	---	---	---	11
12	---	---	---	231.708	---	---	---	---	223.712E	---	---	---	12
13	---	---	---	231.377	---	---	223.790	---	223.719E	---	---	---	13
14	---	---	---	231.008	---	---	223.798E	---	223.726	---	---	---	14
15	---	---	---	230.651	---	---	223.802	---	223.687E	---	---	---	15
16	---	---	---	230.248	---	---	223.778E	---	223.647	---	---	---	16
17	---	---	---	230.067	---	223.915	223.754	---	223.635E	---	---	---	17
18	---	---	---	229.505E	---	223.882E	223.748E	---	223.623	---	---	---	18
19	---	---	226.067	228.929E	---	223.870	223.741E	---	223.640E	---	---	---	19
20	---	---	225.018	228.380	---	223.858E	223.735	---	223.682E	---	---	---	20
21	---	---	---	227.780E	---	223.847E	223.793	---	223.663E	---	---	---	21
22	---	---	---	227.210	---	223.836	223.720	---	223.676E	---	---	---	22
23	---	---	---	226.701	---	223.805E	---	---	223.687	---	---	---	23
24	---	---	225.177	226.386E	---	223.775	---	---	223.684E	---	---	---	24
25	---	---	---	226.072E	---	223.790E	---	---	223.681	---	---	---	25
26	---	---	225.735	225.757E	---	223.805	---	---	223.678E	---	---	---	26
27	---	---	226.235	225.442	---	---	---	---	223.677E	---	---	---	27
28	---	---	226.788	---	---	---	---	---	223.675E	---	---	---	28
29	---		227.018	---	---	---	---	---	223.673E	---	---	---	29
30	---		227.282	---	---	---	---	---	223.671	---	---	---	30
31	---		227.707		---		---	223.682		---		---	31
MEAN	---	---	---	---	---	---	---	---	223.682	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	223.790	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	223.539	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 232.002 ON APR 10

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 06 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA, 118 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER NEAR ST NORBERT - STATION NO 05OCE08

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	1 190	---	---	---	---	---	---	---	---	7
8	---	---	---	1 240	---	---	---	---	---	---	---	---	8
9	---	---	---	1 180	---	---	---	---	---	---	---	---	9
10	---	---	---	1 120	---	---	---	---	---	---	---	---	10
11	---	---	---	1 100	---	---	---	---	---	---	---	---	11
12	---	---	---	1 070	---	---	---	---	---	---	---	---	12
13	---	---	---	1 080	---	---	---	---	---	---	---	---	13
14	---	---	---	1 070	---	---	---	---	---	---	---	---	14
15	---	---	---	1 060	---	---	---	---	---	---	---	---	15
16	---	---	---	1 040	---	---	---	---	---	---	---	---	16
17	---	---	---	987	---	---	---	---	---	---	---	---	17
18	---	---	---	934	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS APR TO MAY

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1 240 ON APR 8

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 47 10 N
LONG 97 08 13 W
DRAINAGE AREA 124 000 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - DAILY DISCHARGES ARE PUBLISHED ONLY FOR PERIODS OF RED RIVER FLOODWAY OPERATION

RED RIVER NEAR STE AGATHE - STATION NO 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	56.28	45.38	46.28	5318	229	272	46.6E	285	38.7	31.3	18.3	17.58	1
2	56.78	45.18	46.58	5568	211	278	45.0E	229	34.9	28.1	18.5	19.28	2
3	56.98	45.38	46.48	5848	193	276	44.0E	189	32.4	24.2	18.4	20.08	3
4	57.08	45.38	46.98	6228	177	281	43.3E	170	33.8	24.2	18.9	20.78	4
5	57.18	45.38	49.28	6948	162	241	42.8E	143	35.6	31.4	18.2	20.78	5
6	57.28	45.78	49.28	6518	150	220	41.5E	121	36.3	30.1	19.2	20.68	6
7	57.28	45.88	49.78	1 1008	140	197	40.8E	108	37.1	27.8	18.7	20.48	7
8	57.18	46.28	50.08	1 390A	133	173	40.0E	94.5	36.6	24.9	17.8	20.18	8
9	57.08	46.38	50.88	1 370	125	151	39.5E	87.2	33.1	24.4	17.7	19.98	9
10	56.98	46.38	52.58	1 380	116	133	40.5E	83.4	31.6	20.6	17.7	19.58	10
11	56.88	46.58	56.38	1 340	112	120	45.0E	80.0	31.2	19.6	18.6	20.28	11
12	56.78	46.68	78.38	1 290	106	108	50.0E	75.3	30.3	19.2	18.5	20.18	12
13	56.58	46.88	122 B	1 240	100	103	52.0E	70.5	28.4	19.7	18.7	21.48	13
14	56.48	46.88	168 B	1 170	86.3	97.5	53.5E	64.6	25.9	20.2	17.6	21.68	14
15	56.48	47.38	196 B	1 100	81.4	91.7	52.2A	71.4	25.1	20.1	18.1	21.78	15
16	56.38	47.28	208 B	1 010	87.2	88.5	50.3	86.0	24.2	20.0	17.6	21.18	16
17	56.28	47.08	212 B	942	81.4	84.0	48.6	81.0	23.6	18.4	18.7	20.88	17
18	56.08	47.28	210 B	870	75.7	81.7	48.5	57.5	23.3	18.1	18.2	20.68	18
19	55.08	46.88	207 B	778	72.7	77.5	50.5	56.0	24.1	17.8	14.78	20.58	19
20	55.98	46.88	203 B	688	71.7	76.1	48.1	53.4	25.4	18.1	17.78	20.28	20
21	55.88	46.48	199 B	610	73.2	71.3	44.2	51.3	25.6	18.8	18.58	20.48	21
22	55.88	46.18	196 B	537A	70.6	69.4	46.4	51.8	28.2	18.5	19.9	20.68	22
23	54.08	45.48	199 B	468	69.6	68.4	48.5E	52.0	28.0	18.0	18.5	20.18	23
24	51.08	44.78	213 B	410	72.5	80.5	52.0E	51.1	28.1	18.1	19.7	19.58	24
25	49.08	45.18	240 B	364	82.6	84.5A	110 E	48.8	27.3	18.0	19.3	18.88	25
26	48.08	47.18	281 B	328	107	93.5E	300 E	48.4	27.3	17.0E	18.5	19.18	26
27	47.08	48.48	331 B	302	185	52.2E	370 E	43.8	28.2	19.0A	18.8	19.88	27
28	46.28	47.28	376 B	282	188	50.5E	390 E	41.3	29.8	18.6	18.4	20.48	28
29	45.88		417 B	264	215	49.8E	385 E	38.4	30.3	18.4	18.18	20.88	29
30	45.68		458 B	248	230	49.0E	377 A	38.7	28.8	18.1	18.88	20.48	30
31	45.78		498 B		252		372	38.1		18.2		20.08	31
TOTAL	1 875.8	1 294.2	5 564.7	33 300	4 066.8	3 701.8	2 815.1	2 644.8	887.0	637.0	530.4	627.2	TOTAL
MEAN	54.1	46.2	180	777	131	123	90.8	85.3	29.8	20.5	17.3	20.2	MEAN
MAX	57.2	47.3	498	1 390	252	278	280	285	37.1	31.4	19.9	21.7	MAX
MIN	45.6	44.7	46.2	248	88.6	49.0	38.5	38.1	23.3	18.0	14.7	17.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 131
MAXIMUM DAILY, 1 390A ON APR 8
MINIMUM DAILY, 14.78 ON NOV 19
MAXIMUM INSTANTANEOUS,
1 390 AT 10 30 CST ON APR 8

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 53 W
DRAINAGE AREA, 117 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	146 000	JUL	243 000
FEB	112 000	AUG	229 000
MAR	481 000	SEP	76 800
APR	2 010 000	OCT	55 000
MAY	350 000	NOV	45 000
JUN	320 000	DEC	54 200

TOTAL DISCHARGE, 4 120 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO 04AC008

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	29.744	29.733	29.685	29.630	29.901	---	---	---	29.956	29.867	29.833	1
2	---	29.736	29.731	29.687	29.627	29.906	---	---	---	29.955	29.872	29.829	2
3	---	29.729	29.733	29.673	29.634	29.883A	---	---	---	29.955	29.874	29.826	3
4	---	29.743	29.734	29.670	29.640	29.888	---	---	---	29.951	29.872	29.833	4
5	---	29.747	29.731	29.674	29.639	29.886	---	---	---	29.942	29.868	29.820	5
6	---	29.748	29.719	29.678	29.649	29.881	---	---	---	29.941	29.885	29.813	6
7	---	29.748	29.716	29.682	29.657	29.876	---	---	---	29.933	29.884	29.812	7
8	---	29.744	29.714	29.684	29.672	29.876	---	---	---	29.926	29.859	29.814	8
9	---	29.737	29.711	29.685	29.685	29.880	---	---	---	29.923	29.850	29.818	9
10	---	29.733	29.706	29.676	29.673	29.876	---	---	---	29.923	29.847	29.815	10
11	---	29.737	29.709	29.683	29.677	29.878	---	---	---	29.930	29.848	29.815	11
12	---	29.727	29.707	29.682	29.678	29.883	---	---	---	29.915	29.843	29.818	12
13	---	29.725	29.713	29.689	29.678	29.890	---	---	---	29.917	29.844	29.817	13
14	---	29.716	29.706	29.678	29.673	29.883	---	---	---	29.917	29.843	29.815	14
15	---	29.716	29.706	29.668	29.671	29.882	---	---	---	29.909	29.833	29.814	15
16	---	29.721	29.706	29.678	29.669	29.874	---	---	---	29.904	29.852	29.813	16
17	---	29.724	29.702	29.683	29.682	29.882	---	---	---	29.903	29.850	29.807	17
18	---	29.722	29.695	29.680	29.685	29.878A	---	29.893A	---	29.904	29.844	29.808	18
19	---	29.731	29.691	29.692	29.671	---	---	29.884	---	29.900	29.844	29.802	19
20	---	29.736	29.688	29.706	29.669	---	---	29.898	---	29.894	29.842	29.803	20
21	---	29.715	29.686	29.713	29.668	---	---	29.910	---	29.892	29.832	29.805	21
22	---	29.714	29.679	29.723	29.667	---	---	29.918A	---	29.892	29.830	29.799	22
23	---	29.713	29.678	29.734	29.668	---	---	---	29.889A	29.891	29.830	29.796	23
24	29.770A	29.710	29.688	29.748	29.671	---	---	---	29.863	29.888	29.830	29.797	24
25	29.786	29.703	29.691	29.763	29.678	---	---	---	29.878	29.885	29.832	29.799	25
26	29.788	29.703	29.691	29.761	29.678	---	---	---	29.888	29.883	29.831	29.798	26
27	29.781	29.711	29.686	29.749	29.673	---	---	---	29.870	29.877	29.833	29.793	27
28	29.764	29.719	29.680	29.702	29.673	---	---	---	29.870	29.878	29.833	29.794	28
29	29.748		29.682	29.711	29.684	---	---	---	29.883	29.888	29.834	29.790	29
30	29.756		29.678	29.713	29.686	---	---	---	29.885	29.886	29.836	29.786	30
31	29.780		29.674		29.693		---	---		29.888		29.787	31
MEAN	---	29.728	29.701	29.707	29.666	---	---	---	---	29.905	29.847	29.808	MEAN
MAX	---	29.748	29.734	29.813	29.886	---	---	---	---	29.955	29.874	29.833	MAX
MIN	---	29.703	29.674	29.682	29.630	---	---	---	---	29.888	29.830	29.787	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 29.682 ON APR 12

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 23 N
LONG 93 33 53 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REINDEER LAKE AT BROCHET - STATION NO 06DB001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	336.338	336.240	336.161	---	---	---	---	---	---	---	336.021	335.801	1
2	336.346	336.242	336.128	---	---	---	---	---	---	---	336.022	335.778	2
3	336.337	336.243	336.114	---	---	---	---	---	---	---	336.033	335.775	3
4	336.331	336.248	336.131	---	---	---	---	---	---	---	335.984	335.771	4
5	336.346	336.248	336.111	---	---	---	---	---	---	---	335.984	335.777	5
6	336.343	336.231	336.111	---	---	---	---	---	---	---	335.954	335.778	6
7	336.354	336.217	336.125	---	---	---	---	---	---	---	336.942	335.783	7
8	336.346	336.228	336.114	---	---	---	---	---	---	---	335.937	335.782	8
9	336.346	336.231	336.106	---	---	336.251A	---	---	---	---	335.951	335.771	9
10	336.353	336.202	336.104	---	---	---	---	---	---	---	335.984	335.783	10
11	336.345	336.210	336.097	---	---	---	---	---	---	---	335.932	335.780	11
12	336.327	336.184	336.094	---	---	---	---	---	---	---	335.930	335.784	12
13	336.329	336.192	336.092	---	---	---	---	---	---	---	335.908	335.786	13
14	336.313	336.188	336.087	---	---	---	---	---	---	---	335.893	335.738	14
15	336.301	336.186	336.085	---	---	---	---	---	---	---	335.905	335.733	15
16	336.311	336.183	336.092	---	---	---	---	---	---	---	335.918	335.730	16
17	336.298	336.175	336.076	---	---	---	---	---	---	---	335.896	335.714	17
18	336.285	336.188	336.080	---	---	---	---	---	---	---	335.888	335.703	18
19	336.282	336.174	336.082	---	---	---	---	---	---	---	335.875	335.702	19
20	336.285	336.189	336.077	---	---	---	---	---	---	---	335.862	335.710	20
21	336.282	336.188	336.087	---	---	---	---	---	---	---	335.877	335.683	21
22	336.277	336.185	336.077	---	---	---	---	---	---	---	335.858	335.682	22
23	336.273	336.183	336.065	---	---	---	---	---	---	---	335.839	335.692	23
24	336.270	336.194	336.083	---	---	---	---	---	---	---	336.832	335.680	24
25	336.279	336.148	---	---	---	---	---	---	---	---	335.846	335.672	25
26	336.281	336.140	---	---	---	---	---	---	---	---	335.845	335.673	26
27	336.271	336.136	---	---	---	---	---	---	---	---	335.839	335.670	27
28	336.256	336.127	---	---	---	---	---	---	---	336.028A	335.831	335.649	28
29	336.250		---	---	---	---	---	---	---	336.038	335.817	335.650	29
30	336.254		---	---	---	---	336.317A	---	---	336.980	335.810	335.651	30
31	336.249		---	---	---	---	---	---	---	336.014		335.647	31
										335.967			
MEAN	336.306	336.191	---	---	---	---	---	---	---	---	335.905	335.723	MEAN
MAX	336.354	336.248	---	---	---	---	---	---	---	---	336.033	336.801	MAX
MIN	336.249	336.127	---	---	---	---	---	---	---	---	335.810	335.647	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 335.647 ON DEC 31

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

WATER LEVELS ARE REFERRED TO SASKATCHEWAN DEPARTMENT OF NATURAL RESOURCES DATUM

RENNIE RIVER NEAR RENNIE - STATION NO 05PC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.004	0.002	0.002	0.055	0.897	0.320	0.082	0.087	0.024	0.008E	0.004	0.004	1
2	0.003	0.002	0.002	0.068	0.481	0.284	0.060	0.063	0.020	0.007E	0.004	0.004	2
3	0.003	0.002	0.002	0.079	0.261	0.203	0.061	0.055	0.021	0.007E	0.004	0.004	3
4	0.003	0.002	0.002	0.104	0.270	0.216	0.059	0.053	0.021	0.008E	0.003	0.004	4
5	0.003	0.002	0.002	0.133	0.291	0.213	0.052	0.048	0.019	0.009E	0.003	0.005	5
6	0.003	0.002	0.002	0.171	0.283	0.244	0.052	0.044	0.017	0.008E	0.003	0.005	6
7	0.003	0.002	0.002	0.217	0.303	0.255	0.048	0.045	0.016	0.008E	0.003	0.004	7
8	0.003	0.002	0.002	0.269	0.315	0.239	0.050	0.045	0.015	0.008E	0.003	0.003	8
9	0.003	0.002	0.002	0.351	0.284	0.213	0.045	0.042	0.014	0.007E	0.004	0.003	9
10	0.002	0.002	0.002	0.394	0.265	0.239	0.045	0.045	0.012	0.007E	0.004	0.003	10
11	0.002	0.002	0.002	0.496	0.232	0.324	0.049	0.037	0.012	0.007E	0.004	0.003	11
12	0.003	0.002	0.002	0.647	0.245	0.119	0.050	0.033	0.012	0.007E	0.004	0.003	12
13	0.003	0.002	0.582	0.784	0.232	0.100	0.045	0.035	0.012	0.007E	0.004	0.003	13
14	0.003	0.002	0.002	0.667	0.217	0.089	0.049	0.032	0.011	0.008E	0.004	0.003	14
15	0.003	0.002	0.002	0.927	0.232	0.094	0.052	0.034	0.012	0.009E	0.004	0.003	15
16	0.003	0.002	0.002	1.74	0.238	0.080	0.051	0.033	0.012	0.009E	0.004	0.003	16
17	0.003	0.002	0.002	2.29	0.215	0.062	0.052	0.030	0.011	0.009E	0.004	0.003	17
18	0.003	0.002	0.002	2.90	0.194	0.051	0.062	0.030	0.011	0.008E	0.003	0.003	18
19	0.003	0.002	0.002	3.54	0.168	0.048	0.055	0.032	0.011	0.008E	0.003	0.003	19
20	0.003	0.002	0.002	3.10	0.157	0.043	0.058	0.030	0.010	0.008E	0.003	0.003	20
21	0.003	0.002	0.002	2.95	0.206	0.060	0.056	0.031	0.011	0.008A	0.004	0.003	21
22	0.003	0.002	0.002	2.81	0.242	0.084	0.062	0.030	0.012	0.004	0.004	0.003	22
23	0.002	0.002	0.003	2.55	0.243	0.079	0.066	0.030	0.011A	0.004	0.004	0.003	23
24	0.002	0.002	0.003	1.63	0.246	0.074	0.067	0.031	0.011E	0.005	0.004	0.003	24
25	0.002	0.002	0.003	1.23	0.233	0.087	0.071	0.033	0.010E	0.004	0.005	0.003	25
26	0.002	0.002	0.003	1.20	0.228	0.083	0.065	0.032	0.010E	0.004	0.004	0.003	26
27	0.002	0.002	0.006	1.18	0.275	0.059	0.058	0.031	0.010E	0.004	0.004	0.003	27
28	0.002	0.002	0.013	0.937	0.321	0.059	0.062	0.028	0.009E	0.004	0.004	0.003	28
29	0.002		0.019	0.672	0.315	0.058	0.063	0.026	0.009E	0.004	0.004	0.003	29
30	0.002		0.025	0.689	0.309	0.058	0.067	0.022	0.008E	0.005	0.004	0.003	30
31	0.002		0.035		0.329		0.068	0.024		0.004		0.003	31
TOTAL	0.083	0.056	0.154	34.860	8.516	4.107	1.787	1.153	0.394	0.187	0.113	0.102	TOTAL
MEAN	0.003	0.002	0.005	1.16	0.275	0.137	0.057	0.037	0.013	0.006	0.004	0.003	MEAN
MAX	0.004	0.002	0.035	3.54	0.897	0.324	0.071	0.087	0.024	0.009	0.005	0.005	MAX
MIN	0.002	0.002	0.002	0.055	0.157	0.043	0.045	0.022	0.008	0.004	0.003	0.003	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.181
MAXIMUM DAILY 3.54 ON APR 19
MINIMUM DAILY 0.002 ON JAN 10
MAXIMUM INSTANTANEOUS
3.81 AT 13 30 CST ON APR 18

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA 153 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7.17	JUL	153
FEB	4.84	AUG	99.6
MAR	13.3	SEP	34.0
APR	3 010	OCT	16.2
MAY	736	NOV	9.76
JUN	355	DEC	8.81

TOTAL DISCHARGE 4 450 dam³

RIVERS RESERVOIR NEAR RIVERS - STATION NO 05MF020

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	488.076	488.216	488.232	488.148	488.678	488.338	488.254	488.287	488.226	488.076	487.887	487.868	1
2	488.082	488.227	488.231	488.161	488.652	488.324	488.257	488.295	488.216	488.016	487.702	487.868	2
3	488.089	488.228	488.230	488.193	488.630	488.324	488.270	488.293	488.211	487.973	487.702	487.868	3
4	488.097	488.232	488.229	488.318	488.622	488.322	488.288	488.285	488.209	487.930	487.705	487.868	4
5	488.103	488.236	488.228	488.502	488.605	488.319	488.286	488.276	488.206	487.891	487.705	487.868	5
6	488.110	488.239	488.220	488.646	488.587	488.311	488.270	488.271	488.206	487.838	487.705	487.869	6
7	488.118	488.242	488.207	488.817	488.588	488.280	488.270	488.265	488.202	487.794	487.705	487.869	7
8	488.124	488.245	488.186	488.885	488.552	488.274	488.271	488.261	488.200	487.776	487.705	487.869	8
9	488.132	488.248	488.165	488.863	488.536	488.272	488.271	488.260	488.197	487.782	487.703	487.868	9
10	488.138	488.247	488.174	488.778	488.518	488.268	488.270	488.256	488.197	487.742	487.700	487.868	10
11	488.143	488.242	488.183	488.729	488.502	488.270	488.272	488.256	488.198	487.733	487.697	487.868	11
12	488.148	488.237	488.184	488.652	488.484	488.273	488.271	488.252	488.198	487.725	487.697	487.868	12
13	488.156	488.235	488.145	488.581	488.474	488.271	488.268	488.248	488.199	487.716	487.694	487.868	13
14	488.162	488.233	488.137	488.553	488.448	488.283	488.269	488.255	488.198	487.703	487.695	487.868	14
15	488.166	488.230	488.127	488.563	488.444	488.251	488.266	488.250	488.196	487.687	487.699	487.868	15
16	488.173	488.226	488.119	488.560	488.435	488.243	488.268	488.258	488.195	487.688	487.698	487.868	16
17	488.178	488.225	488.116	488.538	488.429	488.248	488.283	488.254	488.203	487.683	487.697	487.868	17
18	488.180	488.224	488.122	488.517	488.408	488.243	488.271	488.252	488.208	487.677	487.693	487.863	18
19	488.185	488.223	488.124	488.578	488.388	488.240	488.271	488.250	488.208	487.671	487.686	487.862	19
20	488.190	488.221	488.121	488.682	488.388	488.232	488.270	488.248	488.208	487.667	487.683	487.861	20
21	488.194	488.221	488.121	488.843	488.378	488.230	488.271	488.247	488.203	487.682	487.682	487.858	21
22	488.198	488.221	488.119	488.838	488.388	488.228	488.275	488.244	488.202	487.683	487.679	487.856	22
23	488.201	488.221	488.114	488.828	488.383	488.228	488.274	488.242	488.204	487.680	487.677	487.853	23
24	488.204	488.221	488.111	488.818	488.367	488.228	488.274	488.241	488.202	487.680	487.674	487.850	24
25	488.207	488.222	488.110	488.780	488.341	488.218	488.274	488.240	488.200	487.667	487.673	487.847	25
26	488.208	488.228	488.111	488.786	488.338	488.210	488.273	488.238	488.198	487.654	487.670	487.843	26
27	488.207	488.227	488.118	488.748	488.333	488.208	488.273	488.238	488.197	487.657	487.668	487.837	27
28	488.208	488.228	488.128	488.737	488.328	488.218	488.272	488.234	488.198	487.654	487.668	487.832	28
29	488.208		488.130	488.718	488.334	488.234	488.271	488.232	488.198	487.673	487.665	487.828	29
30	488.209		488.134	488.898	488.336	488.243	488.271	488.234	488.112	487.668	487.669	487.822	30
31	488.210		488.138		488.328		488.282	488.230		487.894		487.817	31
MEAN	488.161	488.230	488.165	488.807	488.458	488.260	488.271	488.255	488.198	487.745	487.681	487.858	MEAN
MAX	488.210	488.248	488.232	488.178	488.678	488.338	488.282	488.295	488.226	488.076	487.709	487.869	MAX
MIN	488.076	488.216	488.110	488.148	488.328	488.206	488.254	488.230	488.112	487.654	487.668	487.817	MIN

WATER LEVELS IN METRES

MEAN, 488.158
MAXIMUM DAILY, 488.178 ON APR 10
MINIMUM DAILY, 487.817 ON DEC 31
MAXIMUM INSTANTANEOUS,
488.188 AT 15:36 CST ON APR 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 100 11 58 W

REGULATED

RIVIERE AUX MARAIS NEAR CHRISTIE - STATION NO 05DC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.4988 B	0.003	0.026	0	0	0	0	---	---	1
2	---	---	0 B	1.81 B	0.004	0.026	0	0	0	0	---	---	2
3	---	---	0 B	3.02 B	0.011	0.023	0	0	0	0	---	---	3
4	---	---	0 B	5.38 B	0.010	0.022	0	0	0	0	---	---	4
5	---	---	0 B	13.9 B	0.007	0.020	0	0	0	0	---	---	5
6	---	---	0 B	23.3	0.008	0.018	0	0	0	0	---	---	6
7	---	---	0 B	33.3	0.010	0.017	0	0	0	0	---	---	7
8	---	---	0 B	31.0	0.011	0.014	0	0	0	0	---	---	8
9	---	---	0 B	18.0	0.010	0.011	0	0	0	0	---	---	9
10	---	---	0 B	9.08	0.011	0.011	0	0	0	0	---	---	10
11	---	---	0 B	3.74	0.010	0.012	0	0	0	0	---	---	11
12	---	---	0 B	1.38	0.010	0.009	0	0	0	0	---	---	12
13	---	---	0 B	0.707	0.008	0.008	0	0	0	0	---	---	13
14	---	---	0 B	0.518	0.007	0.002	0	0	0	0	---	---	14
15	---	---	0 B	0.374	0.005	0.002	0	0	0	0	---	---	15
16	---	---	0 B	0.186	0.005	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.075	0.005	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.036	0.004	0	0	0	0	0	---	---	18
19	---	---	0 B	0.010	0.003	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.003	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0.018	0	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0.017	0	0	0	0	0	---	---	22
23	---	---	0 B	0.003	0.017	0	0	0	0	0	---	---	23
24	---	---	0 B	0.005	0.018	0	0	0	0	0	---	---	24
25	---	---	0 B	0.006	0.018	0	0	0	0	0	---	---	25
26	---	---	0 B	0.006	0.017	0	0	0	0	0	---	---	26
27	---	---	0 B	0.005	0.017	0	0	0	0	0	---	---	27
28	---	---	0 B	0.005	0.022	0	0	0	0	0	---	---	28
29	---		0.0018	0.003	0.025	0	0	0	0	0	---	---	29
30	---		0.0058	0.004	0.028	0	0	0	0	0	---	---	30
31	---		0.0078		0.028		0	0		0		---	31
TOTAL	---	---	0.073	133.056	0.383	0.220	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	4.10	0.012	0.007	0	0	0	0	---	---	MEAN
MAX	---	---	0.007	33.3	0.028	0.026	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.003	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.505
MAXIMUM DAILY, 33.3 ON APR 6
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
33.8 AT 02:47 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 15 50 W
DRAINAGE AREA, 301 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	5.31	SEP	0
APR	10 800	OCT	0
MAY	31.4	NOV	---
JUN	19.0	DEC	---

TOTAL DISCHARGE, 10 700 dam³

ROARING RIVER NEAR MINITONAS - STATION NO 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2888	1.978	3.23	2.85	0.871	1.57	0.812	0.803	---	---	1
2	---	---	0.2838	1.868	3.03	2.63	0.837	1.43	0.579	0.536	---	---	2
3	---	---	0.2888	2.328	2.79	4.30	0.828	1.30	0.538	0.536	---	---	3
4	---	---	0.2788	13.7 B	2.80	4.55	1.10	1.18	0.547	0.581	---	---	4
5	---	---	0.3038	33.8 B	2.67	4.00	1.46	1.17	0.511	0.897	---	---	5
6	---	---	0.3438	18.9 B	2.27	3.48	2.12	1.24	0.489	1.88	---	---	6
7	---	---	0.3948	16.6 A	2.14	3.00	4.28	2.58	0.485	3.18	---	---	7
8	---	---	0.4378	13.5 A	2.04	2.73	5.51	3.07	0.493	3.28	---	---	8
9	---	---	0.4788	13.2	1.84	2.83	5.58	2.88	0.500	3.38	---	---	9
10	---	---	0.5368	12.5	1.71	2.18	5.80	2.24	0.489	3.47	---	---	10
11	---	---	0.6228	9.08	1.61	2.03	5.20	2.21	0.508	3.28	---	---	11
12	---	---	0.6988	8.11	1.58	1.78	4.81	2.15	0.514	3.13	---	---	12
13	---	---	0.7448	8.81	1.52	1.50	3.97	2.20	0.511	3.10	---	---	13
14	---	---	0.8538	7.78	1.45	1.28	3.47	1.98	0.540	3.51	---	---	14
15	---	---	0.8988	7.53	1.39	1.09	2.99	1.77	0.544	3.70	---	---	15
16	---	---	0.9248	7.83	1.44	0.990	4.32	1.58	0.582	3.57	---	---	16
17	---	---	0.9278	8.20	1.32	0.858	5.91	1.58	0.718	3.41	---	---	17
18	---	---	0.8848	8.32	1.21	0.783	5.02	1.58	0.789	3.18	---	---	18
19	---	---	0.8338	8.78	1.11	0.878	4.41	1.55	1.18	2.99	---	---	19
20	---	---	0.7038	7.31	1.03	0.823	4.49	1.51	1.11	2.83	---	---	20
21	---	---	0.9088	6.51	0.987	0.764	5.26	1.57	1.00	2.75	---	---	21
22	---	---	4.39 B	6.01	0.854	0.701	4.97	1.41	0.886	2.88	---	---	22
23	---	---	6.86 B	5.58	0.892	0.714	4.80	1.29	0.843	2.56	---	---	23
24	---	---	5.97 B	4.97	0.837	0.887	4.05	1.19	0.841	2.51	---	---	24
25	---	---	5.72 B	4.84	0.767	0.803	3.84	1.08	0.789	2.39	---	---	25
26	---	---	5.51 B	4.41	0.714	0.832	3.49	0.985	0.751	2.62	---	---	26
27	---	---	4.72 B	4.22	0.686	0.772	3.07	0.905	0.750	3.10	---	---	27
28	---	---	4.58 B	3.80	0.882	0.727	2.84	0.871	0.735	3.24	---	---	28
29	---		3.91 B	3.57	1.10	0.851	2.27	0.798	0.880	3.28	---	---	29
30	---		3.48 B	3.36	3.00	0.893	1.98	0.751	0.845	3.09	---	---	30
31	---		2.51 B		3.02		1.72	0.887		3.01	---	---	31
TOTAL	---	---	58.503	248.68	51.948	51.403	108.824	48.344	20.173	81.772	---	---	TOTAL
MEAN	---	---	1.89	8.29	1.68	1.71	3.55	1.56	0.672	2.64	---	---	MEAN
MAX	---	---	6.86	33.8	3.23	4.55	5.91	3.07	1.18	3.70	---	---	MAX
MIN	---	---	0.383	1.68	0.858	0.583	0.837	0.887	0.483	0.536	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.74
MAXIMUM DAILY, 33.8B ON APR 5
MINIMUM DAILY, 0.2838 ON MAR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 10 N
LONG 101 03 10 W
DRAINAGE AREA, 838 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 500
FEB	---	AUG	4 130
MAR	5 050	SEP	1 740
APR	21 500	OCT	7 070
MAY	4 480	NOV	---
JUN	8 440	DEC	---

TOTAL DISCHARGE 57 900 dam³

ROCK LAKE NEAR CLEMORA - STATION NO 05OB004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	405.298	405.333E	405.382E	405.825	406.048E	405.320E	405.075E	405.038E	405.400E	405.210E	405.148E	405.158E	1
2	405.297E	405.336E	405.391E	405.902E	405.983E	405.328	405.076	405.038	405.400E	405.200E	405.148E	405.160	2
3	405.297E	405.339E	405.390	405.878E	405.940E	405.308E	405.068	405.046	405.400	405.190	405.146	405.161E	3
4	405.298E	405.341E	405.388E	405.885	405.888E	405.288E	405.068E	405.042E	405.390	405.183E	405.148E	405.161E	4
5	405.298E	405.344E	405.405	405.308E	405.833E	405.258E	405.068E	405.036	405.370	405.177E	405.148	405.162E	5
6	405.298E	405.347E	405.406E	405.588E	405.780E	405.248E	405.068	405.038E	405.380E	405.170	405.148E	405.163E	6
7	405.300	405.349E	405.408E	405.808E	405.727E	405.228E	405.063E	405.038E	405.390	405.188E	405.151E	405.164E	7
8	405.315	405.352E	405.409E	407.056	405.674	405.208E	405.058	405.033E	405.388E	405.185E	405.152E	405.164E	8
9	405.316E	405.355	405.411E	407.020E	405.650E	405.188	405.061E	405.031E	405.325	405.183E	405.154E	405.165	9
10	405.316E	405.355E	405.412E	407.003E	405.628E	405.185E	405.105E	405.030E	405.320E	405.180	405.155E	405.168E	10
11	405.319E	405.356E	405.414E	406.978E	405.602E	405.181E	405.128	405.028	405.315E	405.183E	405.157E	405.168E	11
12	405.321E	405.365	405.415	406.949E	405.578E	405.178E	405.101E	405.026	405.310	405.187E	405.158	405.169E	12
13	405.322E	405.367E	405.421E	406.923E	405.554	405.175E	405.075E	405.018E	405.305E	405.170	405.158E	405.171E	13
14	405.324E	405.368E	405.428E	406.896	405.529E	405.171E	405.046	405.009	405.300	405.170E	405.158	405.172E	14
15	405.329	405.380E	405.433E	406.838E	405.504E	405.166	405.052E	405.118E	405.297E	405.170E	405.158E	405.174E	15
16	405.328E	405.382E	405.438E	406.778E	405.478E	405.173E	405.058	405.228	405.293E	405.170E	405.158E	405.178	16
17	405.328E	405.383E	405.444E	406.718E	405.453E	405.178	405.061E	405.298	405.290	405.170	405.158	405.175E	17
18	405.329E	405.386	405.449E	406.656E	405.428E	405.168E	405.065E	405.348	405.287E	405.165E	405.158	405.178E	18
19	405.331E	405.389E	405.456	406.596E	405.403	405.158E	405.068	405.398	405.283E	405.160E	405.158E	405.178E	19
20	405.332E	405.394E	405.458E	406.536E	405.381E	405.148E	405.068	405.402	405.280E	405.155E	405.158E	405.178E	20
21	405.334E	405.378E	405.481E	406.478	405.378	405.138E	405.068	405.411E	405.277E	405.150	405.158E	405.177E	21
22	405.335	405.382E	405.484E	406.428	405.388E	405.128	405.068	405.420	405.273E	405.143E	405.158E	405.177	22
23	405.335E	405.386E	405.467E	406.389E	405.395E	405.123E	405.065E	405.430	405.270	405.137E	405.157E	405.176E	23
24	405.336E	405.391E	405.470	406.352E	405.373E	405.118	405.061E	405.428E	405.265E	405.130	405.157E	405.175E	24
25	405.339E	405.395	405.513E	406.315E	405.331E	405.088E	405.058	405.420	405.260	405.148E	405.157E	405.180E	25
26	405.339E	405.394E	405.585	406.278E	405.320E	405.078	405.058E	405.430	405.252E	405.188	405.157	405.181E	26
27	405.339E	405.393E	405.600E	406.242E	405.306	405.075E	405.053E	405.440	405.244E	405.181E	405.157	405.181E	27
28	405.335	405.393E	405.645E	406.205	405.286	405.071E	405.051E	405.440	405.238E	405.155E	405.158E	405.182E	28
29	405.325		405.690E	406.152E	405.288E	405.068	405.048	405.427E	405.228E	405.148	405.158E	405.183E	29
30	405.326E		405.735E	406.089E	405.304E	405.071E	405.043E	405.413E	405.220	405.148E	405.159E	405.184E	30
31	405.330E		405.780E		405.312E		405.038	405.400		405.148		405.185	31
MEAN	405.321	405.384	405.478	406.510	405.538	405.175	405.085	405.223	405.305	405.164	405.155	405.172	MEAN
MAX	405.335	405.395	405.780	407.056	406.048	405.328	405.128	405.440	405.400	405.210	405.159	405.185	MAX
MIN	405.298	405.333	405.380	405.825	405.288	405.068	405.038	405.008	405.220	405.130	405.148	405.158	MIN

WATER LEVELS IN METRES

MEAN, 405.371
MAXIMUM DAILY, 407.056 ON APR 5
MINIMUM DAILY, 405.008 ON AUG 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 40 N
LONG 99 08 45 W
DATA CONTRIBUTED BY
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA
3 630 km²

ROLLING RIVER NEAR ERICKSON - STATION NO 05MF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5018	0.4688	0.4708	0.6858	5.08	2.15	1.14	0.388	0.148	0.318	0.455	0.3608	1
2	0.5028	0.4748	0.4838	0.6468	5.86	2.08	1.18	0.325	0.155	0.324	0.458	0.3398	2
3	0.5068	0.4788	0.4938	0.8348	5.86	1.86	1.18	0.288	0.164	0.332	0.462	0.3198	3
4	0.5038	0.4898	0.4918	0.7118	5.47	1.88	1.32	0.295	0.172	0.338	0.468	0.3048	4
5	0.5788	0.4888	0.4898	1.39 B	5.25	1.78	1.24	0.219	0.177	0.341	0.466	0.2928	5
6	0.5808	0.4888	0.4888	2.10 B	5.07	1.67	1.28	0.199	0.183	0.348	0.473	0.2878	6
7	0.5488	0.4808	0.4888	2.58 B	4.85	1.58	1.23	0.178	0.191	0.385	0.475	0.2838	7
8	0.5438	0.4458	0.4888	3.27 B	4.70	1.50	1.18	0.159	0.198	0.359	0.471	0.2828	8
9	0.5248	0.4508	0.4908	7.85 B	4.42	1.42	1.09	0.184	0.204	0.384	0.488	0.2838	9
10	0.5198	0.4508	0.4788	15.8 B	4.24	1.38	1.08	0.188	0.208	0.371	0.483	0.2888	10
11	0.5138	0.4418	0.4718	20.5 B	4.08	1.32	1.09	0.182	0.212	0.378	0.457	0.2868	11
12	0.5158	0.4458	0.4558	21.3 B	3.92	1.28	1.07	0.188	0.214	0.388	0.452	0.2848	12
13	0.5188	0.4508	0.4418	20.0 B	3.82	1.21	1.05	0.150	0.218	0.393	0.446	0.2858	13
14	0.5088	0.4518	0.4318	17.8 B	3.49	1.18	1.02	0.142	0.218	0.387	0.443	0.2828	14
15	0.4978	0.4388	0.4198	15.8	2.48	1.10	1.01	0.139	0.223	0.404	0.441	0.2818	15
16	0.4578	0.4398	0.4118	13.7	2.31	1.07	1.01	0.138	0.237	0.412	0.4388	0.2808	16
17	0.4378	0.4408	0.4078	12.8	2.15	1.13	0.993	0.135	0.249	0.414	0.4388	0.2778	17
18	0.4348	0.4418	0.4408	11.8	2.00	1.17	0.981	0.133	0.268	0.417	0.4388	0.2728	18
19	0.4438	0.4408	0.4688	11.3	1.91	1.21	0.958	0.130	0.286	0.422	0.4308	0.2708	19
20	0.4638	0.4388	0.5358	10.7	1.81	1.23	0.888	0.122	0.278	0.425	0.4228	0.2668	20
21	0.4848	0.4428	0.5898	10.1	1.68	1.24	1.03	0.115	0.282	0.427	0.4108	0.2628	21
22	0.5208	0.4478	0.6298	9.60	1.58	1.28	1.14	0.110	0.300	0.428	0.3998	0.2598	22
23	0.5418	0.4488	0.6378	9.16	1.58	1.28	1.16	0.102	0.301	0.429	0.3898	0.2568	23
24	0.5248	0.4608	0.6848	8.80	1.67	1.30	1.13	0.095	0.293	0.430	0.3818	0.2488	24
25	0.4848	0.4588	0.6928	8.02	1.55	1.28	1.08	0.093	0.290	0.431	0.3788	0.2418	25
26	0.4738	0.4628	0.7168	7.42	1.51	1.20	1.02	0.094	0.290	0.431	0.3748	0.2328	26
27	0.4668	0.4558	0.7528	6.79	1.48	1.14	0.814	0.101	0.291	0.432	0.3758	0.2288	27
28	0.4718	0.4578	0.7368	6.45	1.48	1.12	0.711	0.111	0.291	0.435	0.3748	0.2198	28
29	0.4788		0.7108	6.01	1.52	1.13	0.598	0.121	0.293	0.438	0.3718	0.2148	29
30	0.4858		0.6678	5.69	1.52	1.15	0.480	0.130	0.301	0.444	0.3698	0.2138	30
31	0.4848		0.6728		2.20		0.401	0.139		0.450		0.2118	31
TOTAL	15.835	12.684	16.848	288.508	97.77	41.31	31.434	4.918	7.111	12.289	12.882	8.394	TOTAL
MEAN	0.511	0.453	0.543	9.95	3.15	1.38	1.01	0.159	0.237	0.396	0.429	0.271	MEAN
MAX	0.802	0.488	0.752	21.3	5.08	2.15	1.28	0.355	0.301	0.450	0.478	0.380	MAX
MIN	0.434	0.434	0.407	0.834	1.48	1.07	0.401	0.093	0.148	0.315	0.388	0.211	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.45
MAXIMUM DAILY, 21.38 ON APR 12
MINIMUM DAILY, 0.093 ON AUG 25
MAXIMUM INSTANTANEOUS,
21.48 AT 12:06 CST ON APR 12

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 99 56 27 W
DRAINAGE AREA, 780 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 370	JUL	2 720
FEB	1 100	AUG	425
MAR	1 450	SEP	814
APR	23 200	OCT	1 060
MAY	8 450	NOV	1 110
JUN	3 870	DEC	726

TOTAL DISCHARGE, 48 800 dam³

ROSEAU RIVER AT GARDENTON - STATION NO 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5248	22.78	17.7	20.5	0.773	1.87	0.183	0.072	---	---	1
2	---	---	0.5248	24.88	13.8	18.6	0.722	1.31	0.184	0.068	---	---	2
3	---	---	0.5248	27.18	11.0	18.2	0.820	1.08	0.128	0.051	---	---	3
4	---	---	0.5268	33.18	8.33	16.4	0.554	0.811	0.134	0.062	---	---	4
5	---	---	0.5268	33.48	8.03	13.8	0.523	0.758	0.148	0.108	---	---	5
6	---	---	0.5288	36.1	8.94	11.1	0.492	0.708	0.145	0.108	---	---	6
7	---	---	0.5278	52.2	8.00	8.87	0.484	0.618	0.141	0.187	---	---	7
8	---	---	0.5278	59.4	8.10	7.36	0.413	0.580	0.145	0.192	---	---	8
9	---	---	0.5268	54.3	8.65	6.36	0.348	0.522	0.135	0.187	---	---	9
10	---	---	0.5288	52.8	7.74	5.58	0.380	0.488	0.133	0.181	---	---	10
11	---	---	0.5288	52.9	7.14	5.06	0.330	0.447	0.118	0.181	---	---	11
12	---	---	0.5288	53.8	6.29	5.50	0.304	0.408	0.110	0.189	---	---	12
13	---	---	0.5288	53.4	5.24	5.87	0.275	0.387	0.091	0.181	---	---	13
14	---	---	0.5288	52.8	4.05	5.80	0.267	0.321	0.072	0.181	---	---	14
15	---	---	0.5288	52.1	3.22	4.96	0.288	0.330	0.089	0.158	---	---	15
16	---	---	0.5308	50.6	1.58	4.05	0.388	0.285	0.081	0.189	---	---	16
17	---	---	0.5288	50.3	1.53	3.39	0.447	0.289	0.080	0.171	---	---	17
18	---	---	0.5288	49.7	1.44	2.62	0.529	0.288	0.081	0.178	---	---	18
19	---	---	0.4788	48.8	1.47	2.39	1.21	0.269	0.090	0.177	---	---	19
20	---	---	0.4428	48.6	1.53	2.06	1.38	0.231	0.088	0.174	---	---	20
21	---	---	0.7148	46.5	3.28	2.05	2.14	0.282	0.080	0.184	---	---	21
22	---	---	1.56 B	45.6	7.31	1.74	5.19	0.324	0.080	0.158	---	---	22
23	---	---	2.29 B	44.0	12.2	1.78	5.80	0.316	0.086	0.170	---	---	23
24	---	---	5.07 B	42.9	18.7	2.34	5.22	0.280	0.112	0.251	---	---	24
25	---	---	11.0 B	41.5	18.7	2.39	4.83	0.251	0.112	0.284	---	---	25
26	---	---	16.2 B	39.4	19.9	1.88	4.29	0.233	0.105	0.288	---	---	26
27	---	---	22.0 B	36.7	20.4	1.67	3.81	0.223	0.105	0.292	---	---	27
28	---	---	20.6 B	33.1	21.2	1.30	2.89	0.230	0.088	0.289	---	---	28
29	---		20.2 B	28.4	21.5	1.10	2.42	0.228	0.085	0.329	---	---	29
30	---		21.0 B	23.2	21.5	0.881	2.01	0.227	0.084	0.324	---	---	30
31	---		21.7 B		21.3		1.80	0.198		0.311		---	31
TOTAL	---	---	153.739	1 288.6	307.69	188.611	50.924	14.406	3.227	5.880	---	---	TOTAL
MEAN	---	---	4.96	43.0	9.92	6.22	1.64	0.465	0.108	0.183	---	---	MEAN
MAX	---	---	22.0	59.4	21.5	20.5	5.80	1.57	0.193	0.329	---	---	MAX
MIN	---	---	0.442	22.7	1.44	0.881	0.267	0.198	0.080	0.051	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.21
MAXIMUM DAILY, 59.4 ON APR 8
MINIMUM DAILY, 0.050 ON SEP 17
MAXIMUM INSTANTANEOUS,
63.0 AT 22:58 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 16 N
LONG 96 41 15 W
DRAINAGE AREA, 4 470 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 400
FEB	---	AUG	1 240
MAR	13 300	SEP	278
APR	111 000	OCT	491
MAY	28 500	NOV	---
JUN	16 100	DEC	---

TOTAL DISCHARGE, 173 000 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO. 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.705	0.510	0.566	28.6	13.9	18.5	1.22	1.28	0.105	0.074	0.232	0.212	1
2	0.705	0.510	0.595	28.3	11.9	17.3	1.10	1.13	0.089	0.074	0.224	0.212	2
3	0.680	0.481	0.595	31.1	10.1	15.9	1.02	1.02	0.081	0.074	0.212	0.201	3
4	0.680	0.481	0.623	34.0	9.35	14.2	0.934	0.905	0.082	0.088	0.204	0.190	4
5	0.680	0.481	0.851	38.8	8.04	12.8	0.849	0.793	0.078	0.088	0.184	0.190	5
6	0.680	0.481	0.680	39.6	7.31	10.6	0.793	0.708	0.071	0.105	0.170	0.187	6
7	0.680	0.481	0.708	42.5	6.63	8.75	0.738	0.623	0.085	0.118	0.170	0.188	7
8	0.680	0.481	0.736	44.2	5.03	7.38	0.708	0.585	0.089	0.125	0.170	0.227	8
9	0.851	0.481	0.765	45.0	5.88	6.27	0.851	0.810	0.084	0.130	0.170	0.238	9
10	0.851	0.481	0.793	45.3	5.88	5.41	0.595	0.483	0.048	0.127	0.170	0.244	10
11	0.851	0.481	0.821	45.8	5.97	4.93	0.538	0.398	0.042	0.118	0.170	0.244	11
12	0.851	0.481	0.849	45.8	5.95	4.87	0.510	0.368	0.037	0.118	0.178	0.241	12
13	0.851	0.481	0.906	46.2	5.61	4.84	0.481	0.340	0.034	0.118	0.178	0.224	13
14	0.623	0.481	0.934	46.2	4.84	4.73	0.481	0.283	0.040	0.118	0.167	0.218	14
15	0.623	0.481	0.891	45.9	3.00	4.39	0.453	0.269	0.040	0.113	0.161	0.252	15
16	0.623	0.481	1.05	45.5	2.29	3.85	0.481	0.255	0.037	0.110	0.167	0.244	16
17	0.623	0.481	1.10	45.0	2.07	3.09	0.481	0.238	0.040	0.110	0.167	0.241	17
18	0.595	0.481	1.16	44.5	1.93	2.75	0.481	0.224	0.045	0.113	0.161	0.232	18
19	0.595	0.481	1.22	43.6	1.87	2.52	0.510	0.212	0.057	0.113	0.161	0.227	19
20	0.595	0.481	1.30	42.8	1.84	2.29	0.538	0.201	0.071	0.105	0.150	0.221	20
21	0.566	0.481	1.42	41.9	1.90	2.12	0.679	0.195	0.085	0.105	0.167	0.218	21
22	0.566	0.481	1.87	41.1	3.08	1.95	2.27	0.190	0.091	0.122	0.195	0.212	22
23	0.566	0.481	2.83	39.9	8.54	1.87	3.14	0.178	0.091	0.144	0.212	0.210	23
24	0.566	0.510	5.66	38.2	12.2	1.87	3.14	0.170	0.088	0.170	0.210	0.207	24
25	0.538	0.510	8.63	36.5	15.5	1.87	2.87	0.164	0.076	0.187	0.198	0.204	25
26	0.538	0.538	14.2	34.0	16.7	1.78	2.72	0.153	0.071	0.210	0.195	0.201	26
27	0.538	0.538	16.4	30.6	16.0	1.70	2.38	0.144	0.068	0.227	0.195	0.188	27
28	0.538	0.538	18.4	28.8	15.2	1.58	2.01	0.138	0.065	0.238	0.204	0.185	28
29	0.538		20.4	28.2	15.8	1.44	1.78	0.127	0.065	0.244	0.212	0.185	29
30	0.510		22.1	27.1	16.8	1.30	1.50	0.122	0.068	0.244	0.212	0.187	30
31	0.510		24.1		16.2		1.36	0.116		0.244		---	31
TOTAL	19.002	13.785	154.053	1 183.2	271.08	172.67	37.656	12.440	1.881	4.238	5.748	---	TOTAL
MEAN	0.613	0.481	4.97	38.4	8.74	5.76	1.21	0.401	0.065	0.137	0.192	---	MEAN
MAX	0.705	0.538	24.1	46.2	16.8	18.5	3.14	1.28	0.105	0.244	0.232	---	MAX
MIN	0.510	0.481	0.566	17.4	1.84	1.30	0.453	0.116	0.034	0.088	0.170	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS:
46.2 ON APR 12

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 58 54 N
LONG 98 27 48 W
DRAINAGE AREA: 4 150 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 640	JUL	3 250
FEB	1 190	AUG	1 070
MAR	13 300	SEP	159
APR	99 600	OCT	366
MAY	23 400	NOV	496
JUN	14 900	DEC	---

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7778	0.5208	0.5678	22.88	22.6	20.4	1.33	1.55	0.192	0.200	0.556	0.3328	1
2	0.7908	0.4998	0.5778	24.08	18.2	20.3	1.32	1.37	0.141	0.174	0.553	0.3238	2
3	0.7798	0.4788	0.5868	27.98	14.9	19.6	1.12	1.21	0.128	0.213	0.556	0.3148	3
4	0.7508	0.4708	0.5838	33.58	12.7	18.0	0.980	1.04	0.120	0.288	0.538A	0.3008	4
5	0.7068	0.4748	0.5628	43.88	11.1	16.1	0.886	0.906	0.118	0.283	0.5288	0.2988	5
6	0.6898	0.4848	0.5898	57.28	9.72	13.7	0.823	0.803	0.141	0.302	0.5138	0.2958	6
7	0.6948	0.4818	0.6148	63.48	8.54	11.3	0.782	0.709	0.134	0.336	0.5038	0.2888	7
8	0.6878	0.5138	0.6398	67.8	7.71	9.00	0.734	0.680	0.083	0.350	0.4908	0.2848	8
9	0.6858	0.5368	0.6238	71.4	7.80	7.45	0.737	0.627	0.101	0.352	0.4748	0.2908	9
10	0.6288	0.5278	0.6468	68.0	7.48	6.51	0.831	0.577	0.108	0.357	0.4888	0.2728	10
11	0.5828	0.5328	0.6678	65.2	8.25	6.08	0.886	0.525	0.129	0.384	0.4858	0.2858	11
12	0.5958	0.5448	0.7188	63.9	8.28	5.81	0.809	0.515	0.134	0.388	0.4448	0.2508	12
13	0.6188	0.5448	0.7148	63.4	7.82	5.42	0.778	0.490	0.114	0.424	0.4338	0.2378	13
14	0.6698	0.5488	0.7228	62.3	7.40	5.38	0.887	0.555	0.113	0.407	0.4248	0.2178	14
15	0.6808	0.5488	0.7488	60.8	6.38	5.30	0.889	0.736	0.072	0.423	0.5888	0.3248	15
16	0.6728	0.5358	0.7888	58.1	4.73	4.76	0.852	0.518	0.035	0.427	0.5358	0.2878	16
17	0.6338	0.5258	1.63 B	56.8	3.95	4.22	0.548	0.448	0.089	0.424	0.5068	0.2538	17
18	0.5998	0.5188	0.9408	55.1	3.54	3.57	0.592	0.410	0.056	0.415	0.4778	0.2328	18
19	0.5958	0.5178	0.7228	53.8	3.49A	2.81	1.28	0.359	0.088	0.430	0.4508	0.2358	19
20	0.5438	0.5178	0.8128	51.9	3.44E	2.83	1.59	0.338	0.092	0.425	0.4248	0.2418	20
21	0.5058	0.5198	1.34 B	49.2	3.41A	2.84	1.54	0.328	0.089	0.455	0.3838	0.2408	21
22	0.5908	0.5228	4.07 B	48.5	3.41	2.35	1.78	0.320	0.067	0.428	0.3888	0.2228	22
23	0.7398	0.5228	5.31 B	48.9	5.79	2.02	3.97	0.314	0.058	0.439	0.3808	0.1988	23
24	0.7368	0.5268	12.2 B	48.0	11.0	1.89	4.46	0.297	0.105	0.462	0.3628	0.1938	24
25	0.6998	0.5268	13.4 B	45.8	14.7	2.11	4.04	0.278	0.088	0.455	0.3598	0.1888	25
26	0.6898	0.5368	15.0 B	41.9	16.5	2.35	3.84	0.324	0.085	0.455	0.3448	0.1838	26
27	0.6368	0.5488	16.5 B	39.5	17.9	2.03	3.29	0.287	0.113	0.479	0.3548	0.1458	27
28	0.6108	0.5568	20.9 B	36.5	18.2	1.78	2.83	0.263	0.144	0.528	0.3668	0.1488	28
29	0.5808		19.4 B	32.8	20.1	1.59	2.36	0.212	0.188	0.512	0.3588	0.1628	29
30	0.5598		20.1 B	27.9	20.4	1.42	1.99	0.187	0.227	0.528	0.3478	0.1558	30
31	0.5398		20.8 B		20.5		1.76	0.189		0.536		0.1678	31
TOTAL	20.382	14.588	185.509	1 483.4	330.98	208.08	49.492	17.382	3.320	12.229	13.490	7.824	TOTAL
MEAN	0.657	0.520	5.34	49.4	10.7	6.94	1.60	0.561	0.111	0.394	0.450	0.245	MEAN
MAX	0.780	0.558	20.9	71.4	22.6	20.4	4.46	1.55	0.227	0.536	0.588	0.332	MAX
MIN	0.539	0.470	0.567	22.8	3.41	1.42	0.548	0.189	0.034	0.174	0.344	0.145	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN: 6.37
MAXIMUM DAILY: 71.4 ON APR 9
MINIMUM DAILY: 0.036 ON SEP 16
MAXIMUM INSTANTANEOUS:
72.3 AT 06 28 CST ON APR 9

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 53 N
LONG 97 03 15 W
DRAINAGE AREA: 5 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 780	JUL	4 280
FEB	1 260	AUG	1 500
MAR	14 300	SEP	287
APR	126 000	OCT	1 060
MAY	28 600	NOV	1 170
JUN	18 000	DEC	889

TOTAL DISCHARGE: 201 000 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD802

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	235.071	233.638E	233.373E	232.885E	232.882E	232.744E	232.742	232.888E	---	1
2	---	---	---	235.381E	233.584	233.373E	232.940	232.904	232.742	232.724E	232.884	---	2
3	---	---	---	235.652E	233.540	233.373	232.910E	232.885E	232.738E	232.709	233.048E	---	3
4	---	---	---	235.943	233.488E	233.343E	232.879E	232.867	232.736	232.761	233.227	---	4
5	---	---	---	236.588E	233.312E	233.312E	232.849	232.864E	232.736E	232.788E	233.087E	---	5
6	---	---	---	237.174	233.138	233.262	232.887E	232.861	232.736	232.770E	232.907	---	6
7	---	---	---	237.523E	233.128E	233.184	232.926	232.818E	232.723E	232.775E	232.855E	---	7
8	---	---	---	237.672	233.118E	233.131E	232.860E	232.774E	232.710E	232.780E	232.803	---	8
9	---	---	---	237.632E	233.108	233.078	232.784	232.731E	232.697	232.785	232.834E	---	9
10	---	---	---	237.783	233.084	233.138E	232.818E	232.687	232.702E	232.730	232.884	---	10
11	---	---	---	237.752E	233.103E	233.201E	232.845E	232.739E	232.707E	232.781E	232.862E	---	11
12	---	---	---	237.714	233.122E	233.263	232.870	232.791	232.712	232.773	232.862E	---	12
13	---	---	---	237.681E	233.142	233.183E	232.844E	232.758E	232.754	232.780E	232.881	---	13
14	---	---	---	237.188E	233.108E	233.082	232.818	232.808E	232.773	232.788	232.848E	---	14
15	---	---	---	236.927	233.078E	233.045E	232.877E	232.812	232.771E	232.798E	232.831	---	15
16	---	---	---	236.583E	233.044	233.028E	232.838E	232.788	232.770	232.803	232.838E	---	16
17	---	---	---	236.199	232.980	233.010	232.884E	232.780E	232.787E	232.783E	232.848E	---	17
18	---	---	---	235.802E	232.972E	232.988E	233.082E	232.792E	232.748	233.784	232.864E	---	18
19	---	---	---	235.406	232.964E	232.982	233.111E	232.794	232.738E	232.787E	232.881	---	19
20	---	---	---	235.000E	232.956	232.980E	233.189	232.809E	232.730	232.831	232.881	---	20
21	---	---	---	234.593E	232.978E	232.958E	233.048E	232.818	232.731E	232.840E	232.881E	---	21
22	---	---	---	234.187	232.998E	232.956	232.922	232.788E	232.732E	232.850E	232.881	---	22
23	---	---	233.106	234.074E	233.017	232.964E	232.970E	232.775E	232.733	232.860E	232.882E	---	23
24	---	---	233.387E	233.981	233.184	232.972E	233.018E	232.754	232.721E	232.870E	232.883E	---	24
25	---	---	233.886	233.894E	233.238E	232.980	233.088	232.747E	232.708E	232.879	232.884	---	25
26	---	---	233.886E	233.827	233.282E	232.850E	233.023E	232.739	232.887	232.888E	232.884E	---	26
27	---	---	234.107E	233.601E	233.346	232.819	232.980	232.787E	232.782	232.883E	232.884	---	27
28	---	---	234.327	233.775	233.379E	232.916	232.988E	232.775	232.773E	232.840	232.884E	---	28
29	---		234.583	233.599	233.413	232.862E	232.992	232.788E	232.762E	232.888E	232.884E	---	29
30	---		234.748E	233.617E	233.393E	232.849	232.938E	232.755E	232.752E	232.870	232.884E	---	30
31	---		234.908E		233.373		232.879	232.748		232.888E		---	31
MEAN	---	---	---	236.737	233.208	233.087	232.838	232.784	232.737	232.802	232.883	---	MEAN
MAX	---	---	---	237.672	233.660	233.373	233.189	232.904	232.782	232.879	233.227	---	MAX
MIN	---	---	---	233.599	232.956	232.849	232.784	232.687	232.687	232.706	232.803	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 237.672 ON APR 8
MINIMUM DAILY, 232.687 ON AUG 10

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 43 N
LONG 97 09 48 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1957

DRAINAGE AREA,
5 680 km²

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05OF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.8758	0.252	0.068	0.008	0.006	0.008	0.007	---	---	1
2	---	---	0 B	1.07 B	0.231	0.080	0.007	0.006	0.008	0.008	---	---	2
3	---	---	0 B	1.34 B	0.208	0.070	0.007	0.006	0.008	0.008	---	---	3
4	---	---	0 B	4.29 B	0.182	0.061	0.007	0.006	0.008	0.008	---	---	4
5	---	---	0 B	16.7 B	0.178	0.056	0.007	0.006	0.008	0.008	---	---	5
6	---	---	0.0018	23.1	0.188	0.053	0.007	0.006	0.008	0.018	---	---	6
7	---	---	0.0028	14.0	0.183	0.047	0.007	0.006	0.008	0.013	---	---	7
8	---	---	0.0028	12.1	0.158	0.044	0.007	0.006	0.008	0.008	---	---	8
9	---	---	0.0018	9.17	0.148	0.042	0.007	0.006	0.008	0.008	---	---	9
10	---	---	0 B	6.84	0.140	0.045	0.007	0.006	0.008	0.008	---	---	10
11	---	---	0 B	4.83	0.135	0.083	0.007	0.006	0.008	0.008	---	---	11
12	---	---	0 B	3.73	0.130	0.048	0.007	0.006	0.007	0.008	---	---	12
13	---	---	0 B	2.98	0.124	0.038	0.007	0.006	0.008	0.008	---	---	13
14	---	---	0 B	1.84	0.119	0.032	0.007	0.026	0.008	0.008	---	---	14
15	---	---	0 B	1.42	0.112	0.028	0.007	0.140	0.008	0.008	---	---	15
16	---	---	0 B	1.32	0.108	0.024	0.007	0.508	0.008	0.008	---	---	16
17	---	---	0 B	1.14	0.108	0.020	0.008	0.300	0.008	0.008	---	---	17
18	---	---	0 B	1.01	0.108	0.017	0.007	0.187	0.007	0.008	---	---	18
19	---	---	0 B	0.834	0.100	0.015	0.012	0.102	0.007	0.008	---	---	19
20	---	---	0 B	0.849	0.096	0.012	0.008	0.072	0.007	0.008	---	---	20
21	---	---	0.0088	0.533	0.117	0.015	0.007	0.044	0.007	0.008	---	---	21
22	---	---	0.1518	0.433	0.128	0.010	0.008	0.034	0.007	0.014	---	---	22
23	---	---	0.1438	0.376	0.116	0.013	0.007	0.021	0.008	0.017	---	---	23
24	---	---	0.3408	0.335	0.106	0.008	0.007	0.015	0.007	0.018	---	---	24
25	---	---	0.7898	0.308	0.101	0.008	0.008	0.010	0.007	0.018A	---	---	25
26	---	---	1.01 B	0.284	0.088	0.008	0.006	0.008	0.007	0.020E	---	---	26
27	---	---	1.31 B	0.268	0.104	0.007	0.008	0.008	0.007	0.021E	---	---	27
28	---	---	0.9068	0.253	0.118	0.007	0.006	0.007	0.007	0.020E	---	---	28
29	---		0.9868	0.234	0.122	0.008	0.006	0.007	0.007	0.018A	---	---	29
30	---		0.8178	0.242	0.110	0.007	0.006	0.007	0.007	0.018E	---	---	30
31	---		0.4988		0.097		0.006	0.007		0.018E		---	31
TOTAL	---	---	8.803	111.382	4.183	0.972	0.217	1.581	0.188	0.373	---	---	TOTAL
MEAN	---	---	0.219	3.71	0.135	0.032	0.007	0.050	0.006	0.012	---	---	MEAN
MAX	---	---	1.31	23.1	0.252	0.088	0.012	0.508	0.007	0.021	---	---	MAX
MIN	---	---	0	0.234	0.096	0.007	0.006	0.006	0.006	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.513
MAXIMUM DAILY, 23.1 ON APR 6
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
33.1 AT 05:20 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 19 40 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	18.7
FEB	---	AUG	135
MAR	588	SEP	16.2
APR	9 620	OCT	32.2
MAY	362	NOV	---
JUN	84.0	DEC	---

TOTAL DISCHARGE, 10 900 dam³

ROUND LAKE AT OUTLET - STATION NO. 05RD011

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	1.211	---	0.840A	---	---	1.728	---	1.172	0.831A	0.808	0.478	1
2	---	1.195	---	0.831A	---	---	1.725	---	1.153	0.818A	0.810	0.472	2
3	---	1.183	---	0.828A	---	---	1.708	---	1.139	0.773A	0.810	0.468	3
4	---	1.167	---	0.828A	---	---	1.690	---	1.128	0.780	0.810	0.468	4
5	---	1.162	---	0.832A	---	---	1.672	---	1.111	0.783	0.808A	0.470	5
6	---	1.174	---	---	---	---	1.658	---	1.091	0.742	0.802A	0.470	6
7	---	1.167	---	---	---	---	1.635	---	1.073	0.730	0.797A	0.469	7
8	---	1.133	---	---	---	---	1.590	---	1.055	0.731	0.792A	0.469	8
9	---	1.125	---	---	---	2.030A	1.588A	---	1.048	0.724	0.788A	0.470	9
10	---	1.129	---	---	---	2.012	---	---	1.043	0.717	0.778A	0.482	10
11	---	1.118A	---	---	---	2.013	---	---	1.031	0.709	0.772A	0.483	11
12	---	---	---	---	---	2.012	---	---	1.023	0.701	0.768A	0.483	12
13	---	---	---	---	---	2.007	---	---	1.018	0.695	0.758A	0.485	13
14	---	---	---	---	---	1.990	---	---	1.012	0.684	0.851	0.485	14
15	---	---	---	---	---	1.972	---	---	1.000	0.859	0.554	0.485	15
16	---	---	---	---	---	1.955	---	---	0.980A	0.843	0.554	0.482	16
17	---	---	---	---	---	1.952	---	---	0.958A	0.834	0.552	0.481	17
18	---	---	0.905A	---	---	1.933	---	---	0.922A	0.842	0.554	0.481	18
19	---	---	0.889	---	---	1.910	---	---	0.900A	0.880	0.558	0.480	19
20	---	---	0.894	---	---	1.898	---	---	0.891A	0.895	0.551	0.457	20
21	1.247A	---	0.897	---	---	1.881	---	---	0.880A	0.855	0.548	0.454	21
22	1.230	---	0.902	---	---	1.878	---	---	0.901A	0.858	0.531	0.452	22
23	1.230	---	0.902	---	---	1.883	---	---	0.903A	0.856	0.520	0.451	23
24	1.228	---	0.902	---	---	1.844	---	---	0.903A	0.857	0.510	0.448	24
25	1.222	---	0.902	---	---	1.824	---	---	0.874A	0.852	0.503	0.441A	25
26	1.227	---	0.902	---	---	1.801	---	---	0.854A	0.849	0.501	0.434A	26
27	1.258	---	0.901	---	---	1.783	---	---	0.840A	0.847	0.497	0.436A	27
28	1.246	---	0.888	---	---	1.773	---	---	0.821A	0.844	0.492	0.440A	28
29	1.233		0.884	---	---	1.758	---	---	0.815A	0.830	0.487	0.441A	29
30	1.222		0.873	---	---	1.743	---	---	0.820A	0.824	0.483	0.442A	30
31	1.211		0.867		---		---	1.188A		0.811		0.442A	31
MEAN	---	---	---	---	---	---	---	---	0.978	0.808	0.585	0.458	MEAN
MAX	---	---	---	---	---	---	---	---	1.172	0.831	0.810	0.478	MAX
MIN	---	---	---	---	---	---	---	---	0.815	0.811	0.483	0.434	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MINIMUM DAILY, 0.434A ON DEC 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 98 23 20 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

RUSSELL LAKE NEAR MERRIOT - STATION NO. 05ER006

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	323.975	323.820	323.690	323.572	323.739	324.047	324.088	324.048	323.918	323.797	323.650	323.503	1
2	323.973	323.814	323.683	323.572	323.782	324.044	324.101	324.007	323.923	323.813	323.647	323.492	2
3	323.965	323.810	323.674	323.567	323.779	324.063	324.110	324.025	323.907	323.803	323.649	323.488	3
4	323.961	323.805	323.677	323.584	323.787	324.080	324.083	324.039	323.917	323.788	323.634	323.484	4
5	323.953	323.789	323.671	323.584	323.811	324.087	324.088	324.029	323.923	323.781	323.633	323.482	5
6	323.955	323.788	323.662	323.547	323.823	324.088	324.087	324.020	323.929	323.772	323.619	323.488	6
7	323.954	323.781	323.658	323.548	323.826	324.080	324.073	324.022	323.924	323.786	323.606	323.478	7
8	323.947	323.787	323.655	323.545	323.854	324.087	324.082	324.012	323.916	323.781	323.605	323.468	8
9	323.942	323.783	323.648	323.533	323.852	324.102	324.086	324.011	323.913	323.787	323.601	323.482	9
10	323.940	323.773	323.646	323.583	323.885	324.108	324.086	324.005	323.908	323.758	323.604	323.486	10
11	323.932	323.772	323.641	323.582	323.878	324.110	324.089	323.986	323.909	323.741	323.589	323.488	11
12	323.923	323.762	323.637	323.585	323.879	324.124	324.070	324.017	323.905	323.741	323.586	323.484	12
13	323.925	323.760	323.633	323.583	323.881	324.137	324.086	324.014	323.909	323.745	323.587	323.481	13
14	323.917	323.754	323.626	323.545	323.898	324.127	324.089	323.995	323.901	323.728	323.575	323.458	14
15	323.908	323.754	323.625	323.548	323.918	324.115	324.075	323.987	323.899	323.720	323.579	323.451	15
16	323.904	323.751	323.625	323.547	323.915	324.104	324.089	323.986	323.897	323.725	323.580	323.446	16
17	323.898	323.742	323.618	323.549	323.924	324.117	324.086	323.984	323.894	323.722	323.568	323.438	17
18	323.886	323.738	323.612	323.548	323.945	324.114	324.072	323.978	323.890	323.715	323.562	323.434	18
19	323.884	323.736	323.611	323.548	323.919	324.115	324.070	323.973	323.888	323.693	323.558	323.430	19
20	323.882	323.732	323.610	323.582	323.931	324.111	324.086	323.988	323.886	323.694	323.550	323.431	20
21	323.876	323.729	323.617	323.572	323.954	324.104	324.081	323.981	323.887	323.689	323.549	323.424	21
22	323.865	323.723	323.612	323.584	323.965	324.099	324.083	323.957	323.877	323.686	323.546	323.418	22
23	323.856	323.715	323.606	323.587	323.967	324.118	324.061	323.980	323.885	323.684	323.537	323.415	23
24	323.851	323.711	323.604	323.607	323.970	324.123	324.044	323.952	323.880	323.702	323.534	323.409	24
25	323.848	323.706	323.596	323.618	323.985	324.111	324.044	323.949	323.880	323.685	323.532	323.405	25
26	323.847	323.700	323.591	323.645	323.985	324.114	324.040	323.948	323.844	323.670	323.532	323.405	26
27	323.845	323.692	323.588	323.684	323.978	324.105	324.048	323.946	323.836	323.663	323.526	323.403	27
28	323.836	323.686	323.585	323.684	323.973	324.102	324.045	323.945	323.833	323.662	323.523	323.399	28
29	323.833		323.584	323.704	323.969	324.103	324.031	323.934	323.813	323.656	323.517	323.394	29
30	323.829		323.583	323.719	324.001	324.102	324.053	323.924	323.812	323.657	323.513	323.392	30
31	323.826		323.573		324.008		324.052	323.923		323.647		323.389	31
MEAN	323.901	323.755	323.627	323.582	323.903	324.102	324.067	323.984	323.888	323.723	323.577	323.445	MEAN
MAX	323.975	323.820	323.690	323.719	324.008	324.137	324.110	324.048	323.929	323.813	323.650	323.503	MAX
MIN	323.826	323.686	323.573	323.533	323.739	324.044	324.031	323.923	323.812	323.647	323.513	323.389	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN 323.787
MAXIMUM DAILY, 324.137 ON JUN 13
MINIMUM DAILY, 323.389 ON DEC 31
MAXIMUM INSTANTANEOUS,
324.196 AT 16:00 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 24 N
LONG 101 21 46 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

RUSSELL RESERVOIR NEAR RUSSELL - STATION NO 05MB003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	550.150E	550.463	550.370	550.289	550.238	550.141E	550.089E	550.070	---	1
2	---	---	---	550.180	550.460E	550.369E	550.286E	550.233E	550.138	550.086	---	---	2
3	---	---	---	550.294E	550.458E	550.368	550.283	550.228	550.131E	550.087E	---	---	3
4	---	---	---	550.437	550.453	550.367E	550.285E	550.238E	550.124	550.089E	---	---	4
5	---	---	---	550.572E	550.452E	550.365	550.288E	550.224	550.121E	550.090	---	---	5
6	---	---	---	550.707	550.450	550.361E	550.270	550.220E	550.118E	550.091E	---	---	6
7	---	---	---	550.828	550.445E	550.356E	550.289E	550.215	550.115	550.091	---	---	7
8	---	---	---	550.895	550.440	550.352	550.288	550.213E	550.110E	550.089E	---	---	8
9	---	---	---	550.850	550.436E	550.348E	550.286E	550.211E	550.104	550.086	---	---	9
10	---	---	---	550.784	550.431E	550.346	550.286	550.208	550.103E	550.083E	---	---	10
11	---	---	---	550.730	550.427	550.342E	550.287E	550.203E	550.101	550.081E	---	---	11
12	---	---	---	550.692E	550.421E	550.338	550.287E	550.198	550.098E	550.078	---	---	12
13	---	---	---	550.653	550.414	550.330E	550.286	550.198E	550.095E	550.077E	---	---	13
14	---	---	---	550.629	550.409E	550.323E	550.282E	550.193	550.091E	550.078	---	---	14
15	---	---	---	550.604	550.403	550.315	550.286	550.191E	550.088	550.074E	---	---	15
16	---	---	---	550.598	550.398E	550.315E	550.291E	550.190E	550.085E	550.072	---	---	16
17	---	---	---	550.588E	550.393E	550.314	550.243	550.188	550.102E	550.070E	---	---	17
18	---	---	---	550.579	550.388	550.306E	550.248E	550.188E	550.109	550.088E	---	---	18
19	---	---	---	550.568E	550.382E	550.296	550.253E	550.184	550.110E	550.086	---	---	19
20	---	---	---	550.557	550.376	550.293E	550.256	550.181E	550.112E	550.082E	---	---	20
21	---	---	---	550.535	550.358	550.288E	550.258E	550.177E	550.113	550.056	---	---	21
22	---	---	---	550.527	550.366	550.283	550.257	550.174	550.109E	550.080E	---	---	22
23	---	550.284	---	550.523	550.362E	550.286E	550.258E	550.184	550.105	550.082E	---	550.060	23
24	---	---	---	550.509	550.359E	550.288	550.252	550.185	550.102E	550.084E	---	---	24
25	---	---	---	550.508E	550.385	550.283E	550.249E	550.188E	550.098	550.088E	550.054	---	25
26	---	---	---	550.503E	550.352E	550.277	550.247E	550.183	550.099E	550.068	---	---	26
27	---	---	---	550.500	550.348	550.277E	550.244	550.158E	550.099E	550.088E	---	---	27
28	---	---	---	550.488E	550.353E	550.277E	550.243E	550.154	550.100	550.085	---	---	28
29	---		---	550.492	550.356	550.277	550.242E	550.150E	550.098E	550.071E	---	---	29
30	---		---	550.478E	550.362E	550.273E	550.240E	550.147E	550.092	550.073	---	---	30
31	---		---		550.366E		550.239E	550.143		550.072E		---	31
MEAN	---	---	---	550.585	550.401	550.320	550.257	550.190	550.107	550.075	---	---	MEAN
MAX	---	---	---	550.895	550.463	550.370	550.270	550.238	550.141	550.091	---	---	MAX
MIN	---	---	---	550.150	550.348	550.273	550.239	550.143	550.088	550.056	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 550.895 ON APR 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 47 50 N
LONG 101 15 56 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1964

DRAINAGE AREA,
95.1 km²

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	489	1 220	1 340	926	816	410	130	869	354	285	220	205	1
2	916	1 180	1 390	899	782	384	159	702	240	209	209	189	2
3	735	1 240	1 380	982	789	332	151	742	275	227	185	257	3
4	588	1 330	1 030	1 050	678	310	207	189	274	200	186	401	4
5	409	1 240	823	857	636	427	215	304	274	341	174	181	5
6	331	1 310	783	522	684	300	334	203	541	271	198	178	6
7	482	1 240	600	708	482	215	318	173	287	288	288	184	7
8	814	1 010	484	719	551	334	311	283	273	352	177	189	8
9	886	1 130	1 060	728	189	280	287	594	383	325	228	125	9
10	1 050	1 230	891	804	101	224	314	448	373	248	226	111	10
11	1 210	818	978	931	405	977	194	388	388	212	180	105	11
12	1 220	913	959	883	348	744	307	240	243	187	181	105	12
13	1 130	881	928	951	312	483	141	192	204	201	190	101	13
14	1 060	787	982	958	337	283	257	225	180	202	148	222	14
15	1 200	908	911	833	384	548	248	198	238	191	98.0	238	15
16	852	1 270	989	892	136	593	300	278	271	208	288	670	16
17	535	1 310	861	758	130	408	286	248	300	227	173	300	17
18	406	1 320	958	809	280	381	235	225	223	189	172	194	18
19	1 180	1 280	939	340	289	347	245	208	157	181	175	150	19
20	980	1 190	882	878	708	483	429	203	148	319	156	181	20
21	1 020	1 070	357	770	737	509	181	272	197	248	180	184	21
22	1 210	906	218	873	786	543	410	252	209	284	180	159	22
23	1 290	952	801	787	483	807	458	228	193	289	148	158	23
24	1 370	1 000	808	781	235	504	369	248	229	251	247	137	24
25	1 330	970	844	837	218	541	293	271	229	190	144	130	25
26	1 350	1 010	895	310	318	550	389	314	287	221	153	127	26
27	1 330	1 070	894	889	382	278	359	331	284	214	158	128	27
28	1 330	1 300	225	783	574	238	508	308	410	193	113	122	28
29	1 320		415	788	471	200	779	367	297	172	104	172	29
30	1 280		731	823	228	181	890	280	285	224	137	179	30
31	1 270		904		243		907	314		203		181	31
TOTAL	30 813	31 045	24 984	22 857	13 374	12 091	10 535	9 998	8 234	7 381	5 325.0	5 811	TOTAL
MEAN	994	1 110	805	762	431	403	340	323	274	237	178	187	MEAN
MAX	1 370	1 330	1 390	1 050	788	744	907	869	541	352	289	670	MAX
MIN	331	787	218	310	101	181	130	189	148	189	98.0	101	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 499
MAXIMUM DAILY, 1 390 ON MAR 2
MINIMUM DAILY, 98.0 ON NOV 15

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 09 50 N
LONG 99 20 58 W
DRAINAGE AREA, 384 000 km²

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 840 000	JUL	910 000
FEB	2 680 000	AUG	884 000
MAR	2 150 000	SEP	711 000
APR	1 970 000	OCT	635 000
MAY	1 150 000	NOV	480 000
JUN	1 040 000	DEC	502 000

TOTAL DISCHARGE, 15 700 000 dam³

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4008	4928	6218	5678	887	511	331	472	382	320	386	2388	1
2	4018	5058	6218	5548	880	446	353	492	394	328	392	2368	2
3	4138	5158	6118	5568	856	441	329	457	387	318	375	2358	3
4	4498	5288	6018	5858	798	487	310	429	391	325	350	2338	4
5	4878	5488	5928	5728	735	450	334	375	416	346	344	2328	5
6	4758	5658	6078	5758	735	477	341	387	422	349	342	2308	6
7	4618	5878	6128	5678	718	508	331	382	385	348	3418	2298	7
8	4748	6058	6158	6358	714	530	324	335	351	398	3388	2288	8
9	4568	6138	6148	6808	702	498	328	335	347	465	3388	2308	9
10	4678	6088	6108	7258	705	478	342	351	381	434	3338	2338	10
11	4948	5998	6068	7838	675	467	370	384	382	394	3288	2398	11
12	5158	5958	6108	8388	635	490	359	377	417	387	3208	2438	12
13	5308	5868	6218	9138	603	527	350	374	442	368	3138	2448	13
14	5268	5808	6288	9358	604	522	341	388	424	303	3068	2448	14
15	4788	5858	6348	1 0508	628	508	340	401	396	328	3008	2458	15
16	4328	5598	6328	1 1808	635	480	338	418	397	373	2938	2448	16
17	4258	5688	6238	1 1308	663	482	339	406	391	393	2878	2418	17
18	4318	5898	6218	1 0808	645	480	371	380	393	393	2828	2378	18
19	4268	5768	6288	1 030	597	450	407	402	407	374	2788	2348	19
20	4188	5848	6348	986	585	418	391	419	422	369	2708	2358	20
21	4168	5998	6378	1 000	587	423	358	416	433	370	2648	2388	21
22	4268	6098	6348	982	586	404	354	422	422	351	2598	2388	22
23	4368	6148	6198	990	585	371	351	435	418	339	2548	2358	23
24	4378	6068	6008	1 000	575	344	350	418	431	352	2538	2338	24
25	4288	5968	5918	1 010	529	319	385	399	399	343	2498	2308	25
26	4248	5898	5928	1 000	487	329	390	386	372	357	2478	2278	26
27	4318	6088	5958	939	468	333	418	391	388	381	2458	2268	27
28	4508	6158	5868	864	482	335	413	386	382	378	2438	2308	28
29	4748		5798	890	492	344	426	400	342	387	2418	2338	29
30	4868		5828	903	502	328	443	392	338	387	2398	2328	30
31	4878		5778		530		442	393		385		2328	31
TOTAL	14 053	18 195	18 942	25 554	19 804	13 188	11 237	12 351	11 792	11 280	9 006	7 284	TOTAL
MEAN	453	576	611	852	639	439	362	398	393	364	300	235	MEAN
MAX	530	615	637	1 180	887	530	443	492	442	488	392	245	MAX
MIN	400	492	577	558	462	319	310	335	338	303	239	226	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 468
MAXIMUM DAILY, 1 1808 ON APR 18
MINIMUM DAILY, 2288 ON DEC 27

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 30 N
LONG 101 11 10 W
DRAINAGE AREA, 347 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 210 000	JUL	971 000
FEB	1 400 000	AUG	1 070 000
MAR	1 640 000	SEP	1 020 000
APR	2 210 000	OCT	975 000
MAY	1 710 000	NOV	778 000
JUN	1 140 000	DEC	629 000

TOTAL DISCHARGE, 14 800 000 dam³

SCHIST LAKE NEAR CHANNING - STATION NO 05KG004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	291.829E	291.924	291.923	291.877	291.889	291.814	291.750	---	---	1
2	---	---	---	291.830E	291.927	291.909	291.874	291.888	291.818	291.782	---	---	2
3	---	---	---	291.830E	291.926	291.923	291.872	291.876	291.813	291.754	---	---	3
4	---	---	---	291.831E	291.931	291.925	291.867	291.876	291.809	291.749	---	---	4
5	---	---	---	291.832E	291.924	291.927	291.870	291.872	291.812	291.755	---	---	5
6	---	---	---	291.832E	291.925	291.927	291.867	291.885	291.809	291.755	---	---	6
7	---	---	---	291.833A	291.928	291.933	291.867	291.888	291.812	291.754	---	---	7
8	---	---	---	291.838	291.914	291.934	291.875	291.885	291.818	291.758	---	---	8
9	---	---	291.813A	291.847	291.913	291.938	291.878	291.853	291.819	291.763	---	---	9
10	---	---	---	291.853	291.915	291.941	291.884	291.855	291.817	291.751	---	---	10
11	---	---	---	291.882	291.914	291.941	291.893	291.882	291.815	291.748	---	---	11
12	---	---	---	291.888	291.912	291.945	291.894	291.873	291.815	291.748	---	---	12
13	---	---	---	291.872	291.903	291.934	291.887	291.887	291.812	291.738	---	---	13
14	---	---	---	291.873	291.904	291.929	291.889	291.888	291.807	291.735	---	---	14
15	---	---	---	291.875	291.898	291.923	291.904	291.863	291.807	291.736	---	---	15
16	---	---	---	291.882	291.890	291.927	291.903	291.885	291.806	291.738	---	---	16
17	---	---	---	291.890	291.892	291.919	291.901	291.884	291.801	291.732	---	---	17
18	---	---	---	291.895	291.892	291.919	291.902	291.882	291.798	291.726	---	---	18
19	---	---	---	291.897	291.889	291.916	291.902	291.882	291.796	291.720	---	---	19
20	---	---	---	291.907	291.873	291.912	291.908	291.882	291.796	291.723	---	---	20
21	---	---	---	291.912	291.881	291.911	291.908	291.854	291.795	291.728	---	---	21
22	---	---	---	291.915	291.882	291.918	291.910	291.850	291.788	291.726	---	---	22
23	---	---	---	291.919	291.878	291.916	291.903	291.848	291.784	291.724	---	---	23
24	---	---	---	291.922	291.876	291.907	291.904	291.844	291.782	291.730	---	---	24
25	---	---	---	291.924	291.877	291.893	291.903	291.841	291.780	291.723	---	---	25
26	---	---	---	291.926	291.884	291.897	291.905	291.836	291.780	291.715	---	---	26
27	---	---	---	291.927	291.885	291.895	291.904	291.838	291.775	291.714	---	---	27
28	---	---	---	291.922	291.884	291.888	291.902	291.833	291.772	291.718	---	---	28
29	---	---	---	291.924	291.898	291.884	291.904	291.823	291.764	291.712	---	---	29
30	---	---	---	291.923	291.902	291.884	291.901	291.819	291.758	291.715	---	---	30
31	---	---	---		291.907		291.900	291.816		291.714		---	31
MEAN	---	---	---	291.880	291.902	291.918	291.893	291.857	291.799	291.736	---	---	MEAN
MAX	---	---	---	291.927	291.931	291.945	291.910	291.899	291.819	291.762	---	---	MAX
MIN	---	---	---	291.829	291.873	291.884	291.867	291.816	291.784	291.712	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 291.945 ON JUN 12

MAXIMUM INSTANTANEOUS
291.960 AT 18 43 CST ON JUN 10

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1938 ADJ)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 20 N
LONG 101 49 30 W

A - MANUAL GAUGE

E - ESTIMATED

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.45	0	0	0	---	---	---	---	---	1
2	---	---	0 B	2.57	0	0	0	---	---	---	---	---	2
3	---	---	0 B	4.39	0	0	0	---	---	---	---	---	3
4	---	---	0 B	5.40	0	0	0	---	---	---	---	---	4
5	---	---	0 B	4.56	0	0	0	---	---	---	---	---	5
6	---	---	0 B	1.96	0	0	0	---	---	---	---	---	6
7	---	---	0 B	1.06	0	0	0	---	---	---	---	---	7
8	---	---	0 B	0.557	0	0	0	---	---	---	---	---	8
9	---	---	0 B	0.336	0	0	0	---	---	---	---	---	9
10	---	---	0 B	0.234	0	0	0	---	---	---	---	---	10
11	---	---	0 B	0.148	0	0	0	---	---	---	---	---	11
12	---	---	0 B	0.084	0	0	0	---	---	---	---	---	12
13	---	---	0 B	0.029	0	0	0	---	---	---	---	---	13
14	---	---	0 B	0.016	0	0	0	---	---	---	---	---	14
15	---	---	0 B	0.016	0	0	0	---	---	---	---	---	15
16	---	---	0 B	0.011	0	0	0	---	---	---	---	---	16
17	---	---	0 B	0.022	0	0	0	---	---	---	---	---	17
18	---	---	0 B	0.019	0	0	0	---	---	---	---	---	18
19	---	---	0 B	0.027	0	0	0	---	---	---	---	---	19
20	---	---	0.0018	0.025	0	0	0	---	---	---	---	---	20
21	---	---	0.0288	0.036	0	0	0	---	---	---	---	---	21
22	---	---	0.0388	0.022	0	0	0	---	---	---	---	---	22
23	---	---	0.0708	0.016	0	0	0	---	---	---	---	---	23
24	---	---	0.0938	0.014	0	0	0	---	---	---	---	---	24
25	---	---	0.0619	0.011	0	0	0	---	---	---	---	---	25
26	---	---	1.19 B	0.012	0	0	0	---	---	---	---	---	26
27	---	---	2.23 B	0.008	0	0	0	---	---	---	---	---	27
28	---	---	1.86 B	0.006	0	0	0	---	---	---	---	---	28
29	---		1.42 B	0.003	0	0	0	---	---	---	---	---	29
30	---		0.8828	0	0	0	0	---	---	---	---	---	30
31	---		0.839		0		0	---	---	---	---	---	31
TOTAL	---	---	8.712	23.068	0	0	0	---	---	---	---	---	TOTAL
MEAN	---	---	0.281	0.769	0	0	0	---	---	---	---	---	MEAN
MAX	---	---	2.23	5.40	0	0	0	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	0	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.280
MAXIMUM DAILY, 5.40 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.61 AT 01:48 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 16 N
LONG 101 23 04 W
DRAINAGE AREA, 187 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	---
MAR	753	SEP	---
APR	1 990	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 740 dam³

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 05GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1468	115 B	96.68	88.08	1108	605	941	567	349	316	2888	2288	1
2	1468	115 B	98.08	87.88	1178	623	933	545	356	302	2888	2258	2
3	1458	114 B	97.48	87.28	1308	639	935	540	356	301	2888	2248	3
4	1448	113 B	97.18	87.28	1428	681	942	535	353	304	2848	2228	4
5	1428	112 B	96.88	87.28	1708	706	937	528	348	304	2818	2228	5
6	1428	112 B	96.88	86.88	1918	707	928	520	345	305	2798	2208	6
7	1418	111 B	96.28	86.28	1938	699	910	512	349	305	2768	2198	7
8	1408	110 B	95.68	86.08	2068	705	906	508	351	303	2738	2178	8
9	1388	110 B	95.08	86.08	2078	708	889	499	358	295	2728	2158	9
10	1378	109 B	94.48	86.08	2128	705	880	490	364	290	2698	2148	10
11	1388	108 B	94.48	86.08	2148	714	885	475	368	275	2688	2148	11
12	1358	108 B	94.28	85.48	2178	718	854	461	365	275	2848	2148	12
13	1348	107 B	93.88	85.48	2198	750	844	453	360	281	2638	2128	13
14	1338	106 B	93.28	85.48	2218	768	834	449	360	292	2608	2118	14
15	1318	105 B	93.08	84.88	2238	770	818	436	358	292	2578	2108	15
16	1308	105 B	92.68	84.88	2258	784	805	422	357	293	2548	2098	16
17	1308	105 B	92.68	84.88	2298	763	793	414	355	305	2528	2078	17
18	1288	104 B	92.08	84.88	2348	769	784	406	348	306	2518	2068	18
19	1278	104 B	92.08	84.88	2388	775	771	401	348	306	2488	2058	19
20	1278	103 B	92.08	85.48	2438	774	765	395	340	305	2478	2048	20
21	1268	103 B	91.48	85.48	2548	772	742	383	340	292	2488	2038	21
22	1248	102 B	90.88	85.08	2788	771	729	374	337	290	2438	2018	22
23	1248	102 B	90.88	86.88	3188	778	713	366	336	2898	2428	2018	23
24	1228	101 B	90.28	87.28	3768	888	703	364	335	2858	2418	2008	24
25	1228	101 B	88.48	88.48	4988	958	680	354	338	2818	2388	1988	25
26	1218	100 B	88.88	88.88	5808	981	659	352	328	2728	2368	1978	26
27	1208	99.88	88.88	91.48	6848	954	639	344	322	2658	2348	1968	27
28	1198	99.28	88.88	94.48	8598	948	629	343	322	2618	2328	1958	28
29	1188		88.48	98.08	815	945	614	336	322	2648	2308	1958	29
30	1178		88.08	104 B	583	942	586	346	330	2768	2298	1948	30
31	1168		88.48		595		584	351		2838		1938	31
TOTAL	4 061	2 884.0	2 884.7	2 830.8	9 444	23 383	24 619	13 471	10 381	9 030	7 731	6 472	TOTAL
MEAN	131	107	93.1	87.7	305	775	794	438	346	291	258	209	MEAN
MAX	146	115	98.6	104	884	881	942	567	368	316	288	228	MAX
MIN	116	99.2	88.4	84.8	110	605	584	336	320	281	229	193	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 320
MAXIMUM DAILY, 951 ON JUN 26
MINIMUM DAILY, 84.48 ON APR 15
MAXIMUM INSTANTANEOUS
986 AT 15:06 CST ON JUN 26

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 53 30 N
LONG 98 16 31 W
DRAINAGE AREA 48 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	351 000	JUL	2 130 000
FEB	258 000	AUG	1 160 000
MAR	249 000	SEP	897 000
APR	227 000	OCT	779 000
MAY	818 000	NOV	665 000
JUN	2 010 000	DEC	559 000

TOTAL DISCHARGE, 10 100 000 dam³

SEINE RIVER AT STE. ANNE - STATION NO. 05OH802

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	249.128	249.089	248.878E	249.031	248.958	249.220	249.195E	---	1
2	---	---	---	---	249.126	249.083E	248.877E	249.018E	248.958E	249.204	249.191E	---	2
3	---	---	---	---	249.122E	249.037	248.876	249.000E	248.955	249.211E	249.186	---	3
4	---	---	---	---	249.119	249.014E	248.878E	248.985	248.970E	249.217E	249.195E	---	4
5	---	---	---	---	249.118E	248.991	248.878	248.964E	248.985	249.223E	249.204	---	5
6	---	---	---	---	---	249.116	248.880E	248.885E	248.942	248.987E	249.229	249.195	---	6
7	---	---	---	248.897	249.107E	248.870E	248.812	248.830	248.989E	249.247E	---	---	---	7
8	---	---	---	248.892E	249.098	248.959E	248.916E	248.923E	248.991	249.265	---	---	---	8
9	---	---	---	248.887	249.082E	248.948	248.921E	248.915	248.999E	249.282	---	---	---	9
10	---	---	---	248.883E	249.068E	248.944	248.928E	248.904E	249.006	249.287E	---	---	---	10
11	---	---	---	248.878	249.050E	248.950E	248.830	248.894	249.018	249.252E	---	---	---	11
12	---	---	---	248.871E	249.034	248.951	248.957E	248.885E	249.018E	249.246E	---	---	---	12
13	---	---	---	248.864E	249.025E	248.956E	248.983E	248.896E	249.012E	249.241	---	---	---	13
14	---	---	---	248.857	249.017E	248.984	249.009	248.897	249.009	249.240E	---	---	---	14
15	---	---	---	249.180	249.008E	248.986E	248.987E	248.903E	249.083E	249.238	---	---	---	15
16	---	---	---	248.145E	248.000	248.973	248.985	248.909E	249.116	249.232	---	---	---	16
17	---	---	---	249.140	248.985	248.962E	248.974E	248.915E	249.157E	249.233E	---	---	---	17
18	---	---	---	249.131E	248.980E	248.952E	248.984	248.921	249.198	249.233E	---	---	---	18
19	---	---	---	249.122	248.976	248.941E	248.982E	248.929E	249.200E	249.234E	---	---	---	19
20	---	---	---	249.128E	248.990E	248.930	248.981	248.927	249.202E	249.235	---	---	---	20
21	---	---	---	248.134	249.003	248.923E	248.978E	248.918	249.204	249.238	---	---	---	21
22	---	---	---	249.133E	249.008E	248.916E	248.991	248.910E	249.201E	249.233E	---	---	---	22
23	---	---	---	249.131E	249.012	248.910E	248.987E	248.901E	249.198	249.232	---	---	---	23
24	---	---	---	249.130E	249.081	248.903	248.983E	248.893E	249.185E	249.221E	---	---	---	24
25	---	---	---	248.128	249.059E	248.903E	248.979	248.884	249.174	249.210E	---	---	---	25
26	---	---	---	249.127E	249.057E	248.903	248.975E	248.887E	249.182E	249.198	---	---	---	26
27	---	---	---	249.128E	249.055	248.891	248.973	248.909	249.188E	249.201E	---	---	---	27
28	---	---	---	249.125	249.067E	248.888E	248.958E	248.939	249.197E	249.206	---	---	---	28
29	---	---	---	249.131	249.079	248.881	248.942E	248.944E	249.204	249.204E	---	---	---	29
30	---	---	---	249.130E	249.083E	248.875	248.927	248.948E	249.212E	249.204	---	---	---	30
31	---	---	---		249.086E		248.979E	248.953E		249.200E	---	---	31
MEAN	---	---	---	---	249.055	248.961	248.947	248.929	249.091	249.228	---	---	MEAN
MAX	---	---	---	---	249.128	249.089	249.009	249.031	249.212	249.265	---	---	MAX
MIN	---	---	---	---	248.976	248.875	248.878	248.884	248.955	249.195	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 51 N
LONG 96 38 58 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA
680 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO 05OE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.25 B	0.451E	0.520E	0.030E	0.041E	0.019E	0.022E	---	---	1
2	---	---	0 B	5.00 B	0.378E	0.410E	0.029E	0.074E	0.018E	0.022E	---	---	2
3	---	---	0 B	17.8 B	0.238E	0.279E	0.030E	0.201E	0.017E	0.022E	---	---	3
4	---	---	0 B	30.6 B	0.125E	0.229E	0.033E	0.100E	0.016E	0.022E	---	---	4
5	---	---	0 B	43.4 B	0.071E	0.180E	0.029E	0.060E	0.016E	0.038E	---	---	5
6	---	---	0 B	45.1 B	0.058E	0.140E	0.028E	0.034E	0.015E	0.036E	---	---	6
7	---	---	0 B	46.6 B	0.055E	1.00 E	0.027E	0.026E	0.016E	0.072E	---	---	7
8	---	---	0 B	36.2 E	0.048E	0.080E	0.027E	0.024E	0.015E	0.136E	---	---	8
9	---	---	0 B	28.0 E	0.044E	0.071A	0.028E	0.024E	0.015E	0.207E	---	---	9
10	---	---	0 B	15.6 A	0.042E	0.065E	0.026E	0.024A	0.016E	0.305E	---	---	10
11	---	---	0 B	14.5 E	0.038E	0.063E	0.024E	0.023E	0.029E	0.176E	---	---	11
12	---	---	0 B	13.5 E	0.037E	0.058E	0.023E	0.022E	0.168E	0.071E	---	---	12
13	---	---	0 B	12.5 E	0.036A	0.055E	0.022A	0.022E	0.109E	0.048E	---	---	13
14	---	---	0 B	11.5 E	0.041E	0.058E	0.042E	0.023E	0.048E	0.039E	---	---	14
15	---	---	0 B	10.5 E	0.041E	0.061E	0.087E	0.038E	0.030A	0.050E	---	---	15
16	---	---	0 B	9.50 E	0.043E	0.050E	0.194E	0.044E	0.024E	0.488E	---	---	16
17	---	---	0 B	8.50 E	0.048E	0.048E	0.171E	0.051E	0.022E	0.790E	---	---	17
18	---	---	0 B	7.50 E	0.070E	0.044E	0.120E	0.089E	0.025E	0.676E	---	---	18
19	---	---	0 B	6.50 E	0.068E	0.039E	0.080E	0.084E	0.028E	0.505E	---	---	19
20	---	---	0 0.808	5.55 E	0.060E	0.034E	0.070E	0.044E	0.024E	0.352E	---	---	20
21	---	---	0.190B	4.45 E	0.060E	0.033E	0.070E	0.050E	0.023E	0.263E	---	---	21
22	---	---	0.310B	3.45 A	0.268E	0.032E	5.140E	0.310E	0.025E	0.198E	---	---	22
23	---	---	0.438B	2.40 E	0.345E	0.030E	0.180E	0.410E	0.025E	0.168E	---	---	23
24	---	---	0.550B	1.67 E	0.345E	0.027E	0.400E	0.306E	0.025E	0.173E	---	---	24
25	---	---	0.670B	1.58 E	0.312E	0.028E	0.280E	0.210E	0.024E	0.170E	---	---	25
26	---	---	0.855B	1.35 E	0.308E	0.038E	0.180E	0.228E	0.024E	0.156E	---	---	26
27	---	---	1.06 B	1.13 E	0.450E	0.047E	0.165E	0.100E	0.022E	0.173E	---	---	27
28	---	---	1.19 B	0.950E	0.550E	0.061E	0.080E	0.060E	0.024E	0.148E	---	---	28
29	---	---	1.31 B	0.721E	0.700E	0.048E	0.040E	0.027E	0.023E	0.138E	---	---	29
30	---	---	1.44 B	0.540E	0.850E	0.038E	0.024E	0.024E	0.022E	0.115E	---	---	30
31	---	---	1.56 B		0.800E		0.035E	0.035E		0.113E	---	---	31
TOTAL	---	---	9.883	388.131	6.594	3.875	2.709	2.784	0.903	5.884	---	---	TOTAL
MEAN	---	---	0.312	12.9	0.213	0.129	0.087	0.089	0.030	0.189	---	---	MEAN
MAX	---	---	1.56	46.6	0.700	1.00	0.400	0.410	0.168	0.780	---	---	MAX
MIN	---	---	0	0.540	0.038	0.028	0.022	0.022	0.015	0.022	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.72

MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 19 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	234
FEB	---	AUG	238
MAR	835	SEP	78.0
APR	33 500	OCT	507
MAY	570	NOV	---
JUN	335	DEC	---

TOTAL DISCHARGE 35 300 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05OM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.40 B	0.338	0	0	0	0	0	---	---	1
2	---	---	0 B	2.80 B	0.252	0	0	0	0	0	---	---	2
3	---	---	0 B	3.20 B	0.158	0	0	0	0	0	---	---	3
4	---	---	0 B	3.50 B	0.060	0	0	0	0	0	---	---	4
5	---	---	0 B	3.00 B	0.014	0	0	0	0	0	---	---	5
6	---	---	0 B	3.50 B	0.004	0	0	0	0	0	---	---	6
7	---	---	0 B	11.1 B	0.003	0	0	0	0	0	---	---	7
8	---	---	0 B	11.5 E	0.002	0	0	0	0	0	---	---	8
9	---	---	0 B	12.0 E	0.002	0	0	0	0	0	---	---	9
10	---	---	0 B	11.0 A	0.001	0	0	0	0	0	---	---	10
11	---	---	0 B	10.2 E	0.001	0	0	0	0	0	---	---	11
12	---	---	0 B	9.60 E	0	0	0	0	0	0	---	---	12
13	---	---	0 B	8.80 E	0	0	0	0	0	0	---	---	13
14	---	---	0 B	8.20 E	0	0	0	0	0	0	---	---	14
15	---	---	0 B	7.50 E	0	0	0	0	0	0	---	---	15
16	---	---	0 B	8.21 A	0	0	0	0	0	0	---	---	16
17	---	---	0 B	5.88	0	0	0	0	0	0	---	---	17
18	---	---	0 B	5.07	0	0	0	0	0	0	---	---	18
19	---	---	0 B	4.57	0	0	0	0	0	0	---	---	19
20	---	---	0.0108	3.99	0	0	0	0	0	0	---	---	20
21	---	---	0.0508	3.41	0	0	0	0	0	0	---	---	21
22	---	---	0.1008	2.83	0	0	0	0	0	0	---	---	22
23	---	---	0.1508	2.19	0	0	0	0	0	0	---	---	23
24	---	---	0.2008	1.78	0	0	0	0	0	0	---	---	24
25	---	---	0.2508	1.47	0	0	0	0	0	0	---	---	25
26	---	---	0.3758	1.25	0	0	0	0	0	0	---	---	26
27	---	---	0.5008	1.02	0	0	0	0	0	0	---	---	27
28	---	---	0.6258	0.839	0	0	0	0	0	0	---	---	28
29	---		0.7508	0.636	0	0	0	0	0	0	---	---	29
30	---		0.8758	0.434	0	0	0	0	0	0	---	---	30
31	---		1.00 B		0		0	0		0		---	31
TOTAL	---	---	4.885	185.778	0.835	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.158	5.58	0.027	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.00	12.0	0.338	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.434	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.706
MAXIMUM DAILY, 12.0E ON APR 9
MINIMUM DAILY, 0.0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 39 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	422	SEP	0
APR	14 400	OCT	0
MAY	72.1	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 14 900 dam³

SEINE RIVER NEAR STE. ANNE - STATION NO. 05OM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5008	5.778	1.80	0.910	0.084	0.243	0.031	0.087	---	---	1
2	---	---	0.5008	6.468	1.53	0.867	0.105	0.178	0.028	0.063	---	---	2
3	---	---	0.5008	7.148	1.47	0.550	0.085	0.135	0.038	0.062	---	---	3
4	---	---	0.5008	7.828	1.45	0.470	0.072	0.110	0.037	0.065	---	---	4
5	---	---	0.5008	8.508	1.37	0.392	0.074	0.088	0.028	0.132	---	---	5
6	---	---	0.5008	8.248	1.23	0.354	0.118	0.100	0.033	0.184	---	---	6
7	---	---	0.5008	7.988	1.10	0.329	0.178	0.088	0.029	0.217	---	---	7
8	---	---	0.5008	8.418	0.970	0.278	0.258	0.086	0.023	0.284	---	---	8
9	---	---	0.5008	8.448	0.882	0.265	0.187	0.083	0.017	0.218	---	---	9
10	---	---	0.5008	9.27A	0.722	0.250	0.174	0.088	0.017	0.200	---	---	10
11	---	---	0.5008	8.88E	0.643	0.259	0.271	0.074	0.015	0.188	---	---	11
12	---	---	0.5008	8.32E	0.611	0.251	0.333	0.074	0.015	0.201	---	---	12
13	---	---	0.5008	7.44E	0.549	0.271	0.391	0.088	0.014	0.201	---	---	13
14	---	---	0.5008	7.36E	0.491	0.304	0.450	0.084	0.013	0.198	---	---	14
15	---	---	0.5008	6.88E	0.476	0.359	0.437	0.068	0.012	0.188	---	---	15
16	---	---	0.5008	8.41A	0.484	0.347	0.353	0.075	0.007	0.227	---	---	16
17	---	---	0.5549	7.59	0.425	0.287	0.282	0.112	0.005	0.221	---	---	17
18	---	---	0.6118	6.73	0.414	0.250	0.236	0.183	0.004	0.203	---	---	18
19	---	---	0.6678	5.28	0.404	0.229	0.253	0.205	0.004	0.185	---	---	19
20	---	---	0.7238	5.65	0.418	0.211	0.265	0.181	0.008	0.194	---	---	20
21	---	---	0.7788	4.51	0.438	0.195	0.294	0.144	0.008	0.184	---	---	21
22	---	---	0.8338	3.50	0.472	0.180	0.382	0.116	0.010	0.191	---	---	22
23	---	---	0.8898	3.11	0.881	0.167	0.362	0.105	0.054	0.183	---	---	23
24	---	---	0.9448	3.78	0.859A	0.142	0.248	0.103	0.071	0.185	---	---	24
25	---	---	1.00 B	2.58	0.806A	0.150	0.305	0.090	0.093	0.191	---	---	25
26	---	---	1.68 B	2.47	0.718	0.142	0.282	0.087	0.097	0.204	---	---	26
27	---	---	2.38 B	2.27	0.778	0.129	0.229	0.083	0.115	0.218	---	---	27
28	---	---	3.08 B	1.86	0.788	0.121	0.185	0.089	0.118	0.224	---	---	28
29	---		3.73 B	1.48	1.14	0.103	0.169	0.087	0.123	0.232	---	---	29
30	---		4.41 B	1.46	1.31	0.079	0.147	0.044	0.122	0.231	---	---	30
31	---		5.08 B		1.11		0.217	0.036		0.228		---	31
TOTAL	---	---	35.320	178.50	28.590	8.852	7.486	3.176	1.174	5.783	---	---	TOTAL
MEAN	---	---	1.14	5.95	0.858	0.288	0.241	0.103	0.039	0.186	---	---	MEAN
MAX	---	---	5.08	9.27	1.80	0.910	0.450	0.243	0.123	0.264	---	---	MAX
MIN	---	---	0.500	1.46	0.404	0.079	0.072	0.036	0.004	0.062	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 9.27A ON APR 10
MINIMUM DAILY, 0.004 ON SEP 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 37 00 W
DRAINAGE AREA, 889 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	647
FEB	---	AUG	275
MAR	3 050	SEP	101
APR	15 200	OCT	497
MAY	2 300	NOV	---
JUN	748	DEC	---

TOTAL DISCHARGE, 22 800 dam³

SEINE RIVER SOUTH OF PRAIRIE GROVE - STATION NO. 05OH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.500B	2.208	1.48 A	1.24	0.133	0.834	0.084	0.081	---	---	1
2	---	---	0.500B	2.378	1.49 A	1.30	0.128	1.96	0.083	0.082	---	---	2
3	---	---	0.500B	2.558	1.47 A	1.06	0.122	1.52	0.079	0.082	---	---	3
4	---	---	0.500B	2.728	1.46 A	0.882	0.111	1.08	0.072	0.083	---	---	4
5	---	---	0.500B	2.898	1.41 A	0.717	0.099	0.716	0.069	0.187	---	---	5
6	---	---	0.500B	13.4 B	1.38 A	0.606	0.105	0.494	0.060E	0.155	---	---	6
7	---	---	0.500B	33.9 B	1.37 A	0.515	0.130	0.302	0.057E	0.141	---	---	7
8	---	---	0.500B	33.6 E	1.35 A	0.429	0.117	0.227	0.050E	0.139	---	---	8
9	---	---	0.500B	33.2 A	1.27 A	0.374	0.105	0.201	0.042E	0.146	---	---	9
10	---	---	0.500B	14.4 E	1.18 A	0.357	0.113	0.205	0.034E	0.244	---	---	10
11	---	---	0.500B	5.85A	1.01 A	0.354	0.179	0.207	0.029E	0.343	---	---	11
12	---	---	0.500B	3.92A	0.909A	0.334	0.200	0.191	0.024E	0.281	---	---	12
13	---	---	0.500B	1.98A	0.789	0.331	0.193	0.189	0.019E	0.233	---	---	13
14	---	---	0.500B	1.34A	0.743	0.310	0.208	0.182	0.013E	0.212	---	---	14
15	---	---	0.500B	1.06A	0.669	0.276	0.332	0.292	0.010A	0.189	---	---	15
16	---	---	0.563B	1.81A	0.589	0.321	0.403	0.214	0.015E	0.198	---	---	16
17	---	---	0.688B	2.58A	0.553	0.383	0.456	0.196	0.021E	0.201	---	---	17
18	---	---	0.750B	2.67A	0.523	0.378	0.396	0.177	0.027E	0.210	---	---	18
19	---	---	0.788B	2.18A	0.449	0.324	0.408	0.165	0.040E	0.219	---	---	19
20	---	---	0.821B	1.88A	0.423	0.272	0.359	0.153	0.053	0.267	---	---	20
21	---	---	0.857B	1.78A	0.445	0.239	0.274	0.149	0.058	0.271	---	---	21
22	---	---	0.883B	1.70A	0.483	0.237	0.268	0.148	0.063	0.273	---	---	22
23	---	---	0.929B	1.68A	0.517	0.226	0.281	0.146	0.065	0.247	---	---	23
24	---	---	0.964B	1.68A	0.583	0.214	0.259	0.137	0.066	0.278	---	---	24
25	---	---	1.00 B	1.62A	0.634	0.206	0.363	0.135	0.067	0.311	---	---	25
26	---	---	1.17 B	1.58A	0.940	0.191	0.350	0.128	0.068	0.288	---	---	26
27	---	---	1.34 B	1.55A	0.938	0.178	0.289	0.121	0.069	0.286	---	---	27
28	---	---	1.52 B	1.54A	0.943	0.157	0.301	0.111	0.074	0.278	---	---	28
29	---		1.69 B	1.53A	0.963	0.142	0.277	0.107	0.078	0.273	---	---	29
30	---		1.86 B	1.50A	1.02	0.132	0.226	0.113	0.078	0.274	---	---	30
31	---		2.03 B		1.14		0.283	0.103		0.276		---	31
TOTAL	---	---	38.389	152.31	29.287	12.983	7.430	10.620	1.577	5.749	---	---	TOTAL
MEAN	---	---	0.818	5.08	0.945	0.419	0.240	0.343	0.053	0.218	---	---	MEAN
MAX	---	---	2.03	33.9	1.49	1.24	0.456	1.96	0.094	0.343	---	---	MAX
MIN	---	---	0.500	1.06	0.423	0.132	0.099	0.103	0.010	0.081	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 33.9B ON APR 7
MINIMUM DAILY, 0.010A ON SEP 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 96 57 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	842
FEB	---	AUG	918
MAR	2 190	SEP	138
APR	13 200	OCT	583
MAY	2 530	NOV	---
JUN	1 090	DEC	---

TOTAL DISCHARGE, 21 300 dam³

SHANNON CREEK NEAR MORDEN - STATION NO. 05OF021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.50 B	0.135	0	0	0	0	0	---	---	1
2	---	---	0 B	4.00 B	0.080	0	0	0	0	0	---	---	2
3	---	---	0 B	7.27 B	0.050	0	0	0	0	0	---	---	3
4	---	---	0 B	8.24 B	0.031	0	0	0	0	0	---	---	4
5	---	---	0 B	9.48 B	0.008	0	0	0	0	0	---	---	5
6	---	---	0 B	7.93	0	0	0	0	0	0	---	---	6
7	---	---	0 B	8.07	0	0	0	0	0	0	---	---	7
8	---	---	0 B	6.84	0	0	0	0	0	0	---	---	8
9	---	---	0 B	4.14	0	0	0	0	0	0	---	---	9
10	---	---	0 B	3.01	0	0	0	0	0	0	---	---	10
11	---	---	0 B	1.82	0	0	0	0	0	0	---	---	11
12	---	---	0 B	1.12	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.684	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.510	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.462	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.387	0	0	0	0.006	0	0	---	---	16
17	---	---	0 B	0.276	0	0	0	0.184	0	0	---	---	17
18	---	---	0 B	0.373	0	0.013	0.005	0.185	0	0	---	---	18
19	---	---	0 B	0.522	0	0.087	0.076	0.120	0	0	---	---	19
20	---	---	0 B	0.558	0	0.087	0.070	0.088	0	0	---	---	20
21	---	---	0 B	0.472	0	0.081	0.054	0.014	0	0	---	---	21
22	---	---	0 B	0.376	0	0.039	0.035	0.003	0	0	---	---	22
23	---	---	0 B	0.332	0	0.015	0.027	0	0	0	---	---	23
24	---	---	0 B	0.318	0	0.004	0.028	B	0	0	---	---	24
25	---	---	0 1848	0.306	0	0	0.034	B	0	0	---	---	25
26	---	---	0 3338	0.298	0	0	0.028	0	0	0	---	---	26
27	---	---	2.05 B	0.274	0	0	0.014	0	0	0	---	---	27
28	---	---	3.00 B	0.249	0	0	0.001	0	0	0	---	---	28
29	---		2.80 B	0.196	0	0	0	0	0	0	---	---	29
30	---		2.60 B	0.155	0	0	0	0	0	0	---	---	30
31	---		3.00 B		0		B	0		0		---	31
TOTAL	---	---	14.247	88.290	0.311	0.286	0.372	0.580	0	0	---	---	TOTAL
MEAN	---	---	0.460	2.28	0.010	0.009	0.012	0.016	0	0	---	---	MEAN
MAX	---	---	3.00	9.48	0.135	0.087	0.076	0.184	0	0	---	---	MAX
MIN	---	---	0	0.155	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.343
MAXIMUM DAILY, 9.48B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.2B AT 16:59 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 10 N
LONG 97 58 40 W
DRAINAGE AREA, 261 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.1
FEB	---	AUG	88.4
MAR	1 230	SEP	0
APR	5 900	OCT	0
MAY	26.9	NOV	---
JUN	23.0	DEC	---

TOTAL DISCHARGE, 7 280 dam³

SHANNON CREEK NEAR MORRIS - STATION NO 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	08	0.1088	0.089	0.023	0	0	0	0	---	---	
2	---	---	08	5.09 B	0.094	0.018	0	0	0.003	0	---	---	2
3	---	---	08	6.05 B	0.119	0.009	0	0	0.029	0	---	---	3
4	---	---	08	32.5 B	0.113	0.004	0	0	0.045	0	---	---	4
5	---	---	08	59.3 B	0.101	0	0	0	0.059	0	---	---	5
6	---	---	08	83.0 B	0.098	0	0	0	0.071	0	---	---	6
7	---	---	08	48.9	0.101	0	0	0	0.058	0	---	---	7
8	---	---	08	27.2	0.107	0	0	0	0.043	0	---	---	8
9	---	---	08	13.8	0.080	0	0	0	0.033	0	---	---	9
10	---	---	08	8.20	0.074	0	0	0	0.030	0	---	---	10
11	---	---	08	4.38	0.059	0	0	0	0.025	0	---	---	11
12	---	---	08	2.89	0.047	0	0	0	0.019	0	---	---	12
13	---	---	08	1.65	0.026	0	0	0	0.019	0	---	---	13
14	---	---	08	0.906	0.017	0	0	0	0.015	0	---	---	14
15	---	---	08	1.16	0.011	0	0	0.014	0.010	0	---	---	15
16	---	---	08	1.08	0.002	0	0	0.027	0.008	0	---	---	16
17	---	---	08	0.746	0.001	0	0	0.035	0.005	0	---	---	17
18	---	---	08	0.583	0	0	0	0.015	0.005	0	---	---	18
19	---	---	08	0.463	0	0	0	0.011	0.010	0	---	---	19
20	---	---	08	0.412	0	0	0	0.002	0.007	0	---	---	20
21	---	---	08	0.363	0	0	0	0	0.008	0	---	---	21
22	---	---	08	0.284	0	0	0	0	0.004	0	---	---	22
23	---	---	08	0.239	0	0	0	0	0.001	0	---	---	23
24	---	---	08	0.210	0	0	0	0	0	0	---	---	24
25	---	---	08	0.181	0	0	0	0	0	0	---	---	25
26	---	---	08	0.183	0	0	0	0	0	0	---	---	26
27	---	---	08	0.138	0	0	0	0	0	0	---	---	27
28	---	---	08	0.120	0.005	0	0	0	0	0	---	---	28
29	---		08	0.095	0.036	0	0	0	0	0	---	---	29
30	---		08	0.104	0.036	0	0	0	0	0	---	---	30
31	---		08		0.029		0	0		0		---	31
TOTAL	---	---	0	288.427	1.270	0.052	0	0.095	0.498	0	---	---	TOTAL
MEAN	---	---	0	9.95	0.041	0.002	0	0.003	0.017	0	---	---	MEAN
MAX	---	---	0	83.0	0.119	0.023	0	0.027	0.071	0	---	---	MAX
MIN	---	---	0	0.095	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.23
MAXIMUM DAILY, 83 08 ON APR 6
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
1218 AT 11 45 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 17 N
LONG 97 25 18 W
DRAINAGE AREA, 826 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	8 21
MAR	0	SEP	43 1
APR	25 800	OCT	0
MAY	110	NOV	---
JUN	4 49	DEC	---

TOTAL DISCHARGE, 28 000 dam³

SHANNON CREEK TRIBUTARY NEAR MYRTLE - STATION NO 05OF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.00 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	5.82 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	7.24 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	9.00 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	11.0 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	12.4 A	0	0	0	0	0	0	---	---	6
7	---	---	0 B	7.82	0	0	0	0	0	0	---	---	7
8	---	---	0 B	4.74	0	0	0	0	0	0	---	---	8
9	---	---	0 B	3.28	0	0	0	0	0	0	---	---	9
10	---	---	0 B	1.39	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.740	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.443	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.306	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.219	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.177	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.150	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.121	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.100	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.081	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.065	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.048	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.036	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.029	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.026	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.024	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.012	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0.0508	0	0	0	0	0	0	0	---	---	30
31	---		0.2008		0		0	0		0		---	31
TOTAL	---	---	0.250	88.151	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.008	3.27	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.200	12.4	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.279

MINIMUM DAILY, 08 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 34 N
LONG 97 50 33 W
DRAINAGE AREA 179 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	21 8	SEP	0
APR	5 890	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 5 910 dam³

SHARPE LAKE NEAR DELORAINE - STATION NO 05MF005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	657.582	657.520	657.412	657.423E	657.388	657.305	657.255E	---	1
2	---	---	---	---	657.577E	657.520E	657.407E	657.423	657.360E	657.300E	657.255	---	2
3	---	---	---	---	657.572	657.520	657.402	657.418E	657.355	657.295	657.250E	---	3
4	---	---	---	---	657.577E	657.515E	657.407E	657.413	657.350E	657.295E	657.245	---	4
5	---	---	---	---	657.582	657.510	657.412	657.408E	657.345	657.295	657.245E	---	5
6	---	---	---	657.589	657.577E	657.506E	657.407E	657.403	657.340E	657.295E	657.245	---	6
7	---	---	---	657.594E	657.572	657.501	657.402	657.404E	657.335	657.295	657.245E	---	7
8	---	---	---	657.589	657.565E	657.498E	657.402E	657.404	657.338E	657.290E	657.245	---	8
9	---	---	---	657.604E	657.559E	657.491	657.402	657.399E	657.337	657.285	657.245E	---	9
10	---	---	---	657.609	657.582	657.488E	657.407E	657.394	657.336E	657.280E	657.245	---	10
11	---	---	---	657.614E	657.567E	657.481	657.412	657.389E	657.335	657.275	657.245E	---	11
12	---	---	---	657.619	657.562	657.476E	657.407E	657.384	657.336E	657.270E	657.245	---	12
13	---	---	---	657.624E	657.557E	657.471	657.402	657.384E	657.335	657.265	657.245E	---	13
14	---	---	---	657.629	657.552	657.468E	657.402E	657.384	657.330E	657.260E	657.245	---	14
15	---	---	---	657.629E	657.527E	657.461	657.402	657.399E	657.325	657.265	---	---	15
16	---	---	---	657.629	657.522	657.456E	657.388E	657.414	657.330E	657.260E	---	---	16
17	---	---	---	657.629E	657.522E	657.451	657.393	657.414E	657.325	657.255	---	---	17
18	---	---	---	657.629	657.522	657.446E	657.403E	657.414	657.330E	657.255E	---	---	18
19	---	---	---	657.627E	657.517E	657.441	657.413	657.408E	657.325	657.255	---	---	19
20	---	---	---	657.625E	657.513	657.438E	657.413E	657.404	657.328E	657.255E	---	---	20
21	---	---	---	657.622E	657.512E	657.431	657.413	657.404E	657.328	657.255	---	---	21
22	---	---	---	657.620	657.512	657.428E	657.418E	657.404	657.335E	657.255E	---	---	22
23	---	657.513	---	657.616E	657.512E	657.421	657.423	657.399E	657.325	657.255	---	---	23
24	---	---	657.589	657.612	657.512	657.418E	657.428E	657.394	657.320E	657.255E	---	---	24
25	---	---	---	657.612E	657.512E	657.411	657.413	657.394E	657.315	657.255	---	---	25
26	---	---	---	657.612	657.512	657.407E	657.408E	657.394	657.315E	657.255E	---	---	26
27	---	---	---	657.607E	657.520	657.402	657.403	657.390E	657.315	657.255	---	---	27
28	---	---	---	657.602	657.520	657.407E	657.403E	657.385	657.310E	657.255E	---	---	28
29	---	---	---	657.597E	657.520E	657.412	657.403	657.380E	657.305	657.255	---	---	29
30	---	---	---	657.592	657.520	657.412E	657.413E	657.375	657.305E	657.255E	---	---	30
31	---		---		657.520E		657.423	657.370E		657.255	---	---	31
MEAN	---	---	---	---	657.538	657.480	657.408	657.389	657.331	657.270	---	---	MEAN
MAX	---	---	---	---	657.582	657.520	657.423	657.423	657.388	657.305	---	---	MAX
MIN	---	---	---	---	657.512	657.402	657.393	657.370	657.305	657.255	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 657.629 ON APR 14

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 02 42 N
LONG 100 19 39 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1959

DRAINAGE AREA
19.8 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SMELL RIVER NEAR INGLIS - STATION NO 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.29 B	1.25 B	0.3838	0.9138	5.58	2.57	2.23	3.12	1.18	0.992	2.32	1.53 B	1
2	1.20 B	1.24 B	0.3938	0.8888	5.24	2.34	2.22	2.88	1.13	0.935	2.35	1.55 B	2
3	1.09 B	1.30 B	0.4828	4.84 B	4.91	2.30	2.31	2.65	1.08	0.900	2.38	1.58 B	3
4	1.14 B	1.33 B	0.4818	15.3 B	4.69	2.23	2.29	2.49	1.06	0.925	2.32	1.59 B	4
5	1.15 B	1.37 B	0.4818	24.6 B	4.58	2.84	2.28	2.44	1.01	0.989	2.108	1.56 B	5
6	1.05 B	1.32 B	0.5728	18.5 B	4.37	3.21	2.53	2.38	0.990	1.00	1.708	1.60 B	6
7	0.9888	1.20 B	0.6948	16.7 B	4.17	3.54	2.78	2.31	0.938	1.03	2.198	1.54 B	7
8	0.9618	1.33 B	0.7558	33.7 B	4.00	3.76	2.73	2.28	0.897	1.08	1.788	1.47 B	8
9	0.9788	1.20 B	0.8888	23.8	3.72	5.02	2.46	2.34	0.887	1.11	2.458	1.83 B	9
10	1.15 B	1.12 B	0.8558	21.3	3.53	6.80	2.92	2.13	0.894	1.32	2.348	2.22 B	10
11	0.8808	0.9678	1.02 B	17.0	3.38	8.50	4.26	2.03	0.912	1.83	2.578	1.53 B	11
12	0.9138	0.4718	1.07 B	17.2	3.25	9.26	4.84	1.92	0.911	1.85	2.538	1.54 B	12
13	0.9845	0.8168	1.11 B	17.3	3.14	4.41	5.04	1.77	0.890	2.07	2.278	1.57 B	13
14	1.02 B	0.7778	1.12 B	16.8	3.00	3.79	5.02	1.73	0.850	2.00	2.158	2.01 B	14
15	0.9418	0.7228	1.03 B	15.0	2.88	3.34	5.77	1.77	0.834	2.08	1.988	1.91 B	15
16	0.9348	0.8938	0.9388	13.4	2.78	3.01	7.17	1.82	0.850	2.18	1.848	1.81 B	16
17	0.8768	0.7428	0.8708	12.1	2.67	2.87	7.30	1.82	1.01	2.31	1.848	1.77 B	17
18	0.7168	0.6888	0.9088	11.3	2.56	2.67	6.31	1.76	1.02	2.35	1.818	1.71 B	18
19	1.25 B	0.5508	0.9368	10.6	2.63	2.34	5.96	1.69	1.08	2.37	1.838	1.82 B	19
20	1.19 B	0.4888	1.05 B	10.2	2.57	2.24	5.51	1.67	1.07	2.37	1.888	1.90 B	20
21	1.20 B	0.3008	1.51 B	9.82	2.52	2.21	4.74	1.63	1.07	2.39	1.888	1.34 B	21
22	1.09 B	0.2308	2.14 B	9.23	2.49	2.16	4.64	1.59	1.01	2.39	1.928	1.51 B	22
23	1.12 B	0.1918	1.51 B	8.83	2.46	2.20	4.89	1.58	1.08	2.37	1.988	1.46 B	23
24	1.23 B	0.2208	1.08 B	8.14	2.53	2.16	4.81	1.46	1.05	2.27	1.948	1.34 B	24
25	1.21 B	0.2078	1.03 B	7.88	2.60	2.08	4.51	1.48	1.03	2.31	1.938	1.20 B	25
26	1.32 B	0.2298	1.08 B	7.50	2.88	2.03	4.28	1.49	1.02	2.43	1.838	1.24 B	26
27	1.34 B	0.2788	1.43 B	7.00	2.68	2.03	4.03	1.42	1.03	2.34	1.778	1.00 B	27
28	1.31 B	0.3248	1.48 B	6.59	2.62	2.14	3.83	1.38	1.09	2.22	1.628	0.9858	28
29	1.27 B		1.10 B	6.27	2.68	2.19	3.68	1.32	1.08	2.33	1.508	1.06 B	29
30	1.24 B		1.01 B	5.97	2.78	2.17	3.52	1.23	1.06	2.35	1.488	1.15 B	30
31	1.30 B		0.9138		2.89		3.32	1.20		2.32		1.03 B	31
TOTAL	33.309	21.878	30.407	370.421	102.77	91.91	127.87	58.75	30.003	67.095	60.42	46.955	TOTAL
MEAN	1.07	0.785	0.981	12.3	3.33	3.08	4.13	1.90	1.00	1.84	2.01	1.51	MEAN
MAX	1.34	1.37	2.14	24.6	5.58	9.60	7.30	3.12	1.18	2.43	2.57	2.22	MAX
MIN	0.834	0.191	0.383	0.888	2.46	2.03	2.22	1.20	0.834	0.900	1.48	0.985	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.83
MAXIMUM DAILY, 24.88 ON APR 5
MINIMUM DAILY, 0.1918 ON FEB 23
MAXIMUM INSTANTANEOUS,
32.18 AT 00 00 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 40 N
LONG 101 19 05 W
DRAINAGE AREA 2 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 880	JUL	11 100
FEB	1 900	AUG	5 080
MAR	2 630	SEP	2 590
APR	32 000	OCT	4 930
MAY	8 880	NOV	5 220
JUN	7 940	DEC	4 060

TOTAL DISCHARGE, 89 200 dam³

SWELL RIVER NEAR ROBLIN - STATION NO 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.7408	2.858	4.38	1.80	2.01	---	---	---	---	---	1
2	---	---	0.7378	2.838	4.14	2.00	2.00	---	---	---	---	---	2
3	---	---	0.7338	3.808	4.07	2.98	1.98	---	---	---	---	---	3
4	---	---	0.7288	3.608	3.94	3.80	2.17	---	---	---	---	---	4
5	---	---	0.7248	8.828	3.75	3.87	1.98	---	---	---	---	---	5
6	---	---	0.7208	12.68	3.63	4.11	1.89	---	---	---	---	---	6
7	---	---	0.7188	12.28	3.50	5.85	2.14	---	---	---	---	---	7
8	---	---	0.7158	7.308	3.39	7.21	3.08	---	---	---	---	---	8
9	---	---	0.7128	5.14	3.31	6.33	4.75	---	---	---	---	---	9
10	---	---	0.7108	12.4	3.24	4.88	4.86	---	---	---	---	---	10
11	---	---	0.7078	14.9	3.16	4.14	4.83	---	---	---	---	---	11
12	---	---	0.7048	14.3	3.08	3.84	4.93	---	---	---	---	---	12
13	---	---	0.7028	12.7	2.95	3.23	5.22	---	---	---	---	---	13
14	---	---	0.6988	11.3	2.81	2.68	5.08	---	---	---	---	---	14
15	---	---	0.6968	10.3	2.67	2.61	7.44	---	---	---	---	---	15
16	---	---	0.6948	9.68	2.80	2.15	8.00	---	---	---	---	---	16
17	---	---	0.6928	9.22	2.33	1.86	6.04	---	---	---	---	---	17
18	---	---	0.6908	8.89	2.14	1.82	4.41	---	---	---	---	---	18
19	---	---	0.6898	8.70	1.85	1.72	4.14	---	---	---	---	---	19
20	---	---	1.25 B	8.23	1.78	1.84	3.91	---	---	---	---	---	20
21	---	---	1.38 B	7.87	1.85	1.52	4.17	---	---	---	---	---	21
22	---	---	2.03 B	7.35	1.58	1.44	4.13	---	---	---	---	---	22
23	---	---	2.68 B	6.80	1.45	1.50	3.96	---	---	---	---	---	23
24	---	---	3.38 B	6.87	1.35	1.84	3.80	---	---	---	---	---	24
25	---	---	4.08 B	6.21	1.25	1.71	3.83	---	---	---	---	---	25
26	---	---	4.30 B	5.84	1.18	1.85	3.50	---	---	---	---	---	26
27	---	---	3.23 B	5.58	1.11	1.86	3.33	---	---	---	---	---	27
28	---	---	2.82 B	5.36	1.09	2.02	3.08	---	---	---	---	---	28
29	---		2.84 B	4.84	1.12	1.87	2.88A	---	---	---	---	---	29
30	---		3.46 B	4.69	1.17	1.79	---	---	---	---	---	---	30
31	---		3.38 B		1.28		---	---		---		---	31
TOTAL	---	---	48.480	243.48	77.00	85.28	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.58	8.12	2.48	2.84	---	---	---	---	---	---	MEAN
MAX	---	---	4.30	14.9	4.38	7.21	---	---	---	---	---	---	MAX
MIN	---	---	0.688	3.50	1.09	1.44	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.72
MAXIMUM DAILY 14.9 ON APR 11
MINIMUM DAILY 0.6888 ON MAR 16
MAXIMUM INSTANTANEOUS
15.3 AT 21 55 CST ON APR 11

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA 1 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	4 190	SEP	---
APR	21 000	OCT	---
MAY	6 650	NOV	---
JUN	7 370	DEC	---

TOTAL DISCHARGE 39 200 dam³

SHOAL LAKE AT INDIAN BAY - STATION NO 05PD004

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	322.624	---	---	---	---	---	---	---	1
2	322.631	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	322.417	---	---	322.463	---	---	322.341	---	---	3
4	---	---	---	---	---	---	---	---	322.343	---	---	322.332	4
5	---	---	---	---	---	322.411	---	---	---	---	---	---	5
6	---	322.842	322.503	---	---	---	---	---	---	---	322.314	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	322.383	---	---	322.442	---	---	---	---	8
9	322.800	---	---	---	---	---	---	---	---	322.341	---	---	9
10	---	---	---	322.436	---	---	322.405	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	322.442	---	---	322.350	---	---	322.350	12
13	---	322.524	322.478	---	---	---	---	---	---	---	322.311	---	13
14	---	---	---	---	---	---	---	322.442	---	---	---	---	14
15	---	---	---	---	322.381	---	---	---	---	---	---	---	15
16	322.579	---	---	---	---	---	---	---	---	322.317	---	---	16
17	---	---	---	322.436	---	---	322.411	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	322.356	18
19	---	---	---	---	---	322.436	---	---	322.344	---	---	---	19
20	---	322.512	322.466	---	---	---	---	---	---	---	322.336	---	20
21	---	---	---	---	---	---	---	322.405	---	---	---	---	21
22	---	---	---	---	322.381	---	---	---	---	---	---	---	22
23	322.570	---	---	---	---	---	---	---	---	322.314	---	---	23
24	---	---	---	322.424	---	---	322.430	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	322.356	25
26	---	---	---	---	---	322.383	---	---	322.341	---	---	---	26
27	---	322.506	322.439	---	---	---	---	---	---	---	322.338	---	27
28	---	---	---	---	---	---	---	322.411	---	---	---	---	28
29	---		---	---	322.411	---	---	---	---	---	---	---	29
30	322.558		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		322.430	---		322.174		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 20 N
LONG 95 12 30 W
DATA CONTRIBUTED BY -
GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHOAL LAKE AT SHOAL LAKE - STATION NO 05MC007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	547.145E	547.319	547.182	547.133	547.108	547.038	546.955	546.970	---	1
2	---	---	---	547.154E	547.305	547.173	547.128	547.108	547.047	546.980	546.959	---	2
3	---	---	---	547.163E	547.284	547.169	547.132	547.082	547.034	546.975	546.957	---	3
4	---	---	---	547.178E	547.287	547.164	547.139	547.091	547.029	546.968	546.950A	---	4
5	---	---	---	547.180A	547.271	547.163	547.123	547.088	547.028	546.982	---	---	5
6	---	---	---	547.270A	547.258	547.171	547.132	547.080	547.024	546.970	---	---	6
7	---	---	---	547.320A	547.245	547.161	547.134	547.080	547.020	546.972	---	---	7
8	---	---	---	547.410A	547.235	547.158	547.139	547.072	547.013	546.958	---	---	8
9	---	---	---	547.450A	547.222	547.161	547.127	547.071	547.013	546.964	---	---	9
10	---	---	---	547.487A	547.207	547.159	547.123	547.082	547.006	546.973	---	---	10
11	---	---	---	547.510A	547.208	547.161	547.111	547.083	547.006	546.986	---	---	11
12	---	---	---	547.530A	547.218	547.160	547.111	547.078	547.007	546.987	---	---	12
13	---	---	---	547.550A	547.181	547.157	547.108	547.084	547.007	546.988	---	---	13
14	---	---	---	547.560A	547.182	547.154	547.105	547.089	547.002	546.983	---	---	14
15	---	---	---	547.571A	547.189	547.160	547.101	547.094	547.001	546.982	---	---	15
16	---	---	---	547.570A	547.178	547.167	547.089	547.089	546.994	546.980	---	---	16
17	---	---	---	547.560A	547.172	547.161	547.087	547.081	547.001	546.982	---	---	17
18	---	---	547.100A	547.550A	547.174	547.175	547.080	547.084	547.003	546.980	---	---	18
19	---	---	---	547.540A	547.174	547.173	547.122	547.081	547.005	546.985	---	---	19
20	---	---	---	547.520A	547.167	547.170	547.139	547.077	547.003	546.953	---	---	20
21	---	---	---	547.500A	547.147	547.188	547.128	547.088	547.007	546.958	---	---	21
22	---	---	---	547.490A	547.161	547.160	547.124	547.083	547.007	546.982	---	---	22
23	---	---	---	547.470A	547.158	547.161	547.124	547.081	547.000	546.959	---	---	23
24	---	---	---	547.450A	547.159	547.155	547.123	547.088	546.998	546.987	---	---	24
25	---	---	---	547.440A	547.158	547.138	547.120	547.083	547.000	546.983	---	---	25
26	---	---	---	547.418E	547.153	547.134	547.118	547.085	546.998	546.982	---	---	26
27	---	---	---	547.397E	547.150	547.128	547.112	547.083	546.983	546.985	---	---	27
28	---	---	---	547.374E	547.163	547.130	547.107	547.085	546.990	546.984	---	---	28
29	---	---	---	547.353A	547.173	547.126	547.101	547.085	546.988	546.982	---	---	29
30	---	---	---	547.342	547.174	547.128	547.105	547.083	546.994	546.984	---	---	30
31	---	---	---		547.180		547.105	547.082		546.985	---	---	31
MEAN	---	---	---	547.415	547.202	547.158	547.117	547.085	547.008	546.984	---	---	MEAN
MAX	---	---	---	547.571	547.319	547.182	547.138	547.108	547.047	546.980	---	---	MAX
MIN	---	---	---	547.145	547.147	547.128	547.080	547.082	546.998	546.953	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 547.571A ON APR 15
MINIMUM DAILY, 546.953 ON OCT 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 02 N
LONG 100 35 55 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

SILVER CREEK NEAR GRANDVIEW - STATION NO 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.124B	0.140B	0.374	0.014	0	0	0	B	---	---	1
2	---	---	0.124B	0.138B	0.327	0.034	0	0	0	0	---	---	2
3	---	---	0.126B	0.138B	0.311	0.022	0	0	0	0	---	---	3
4	---	---	0.130B	0.168B	0.286	0.030	0	0	0	0	---	---	4
5	---	---	0.134B	0.210B	0.293	0.040	0	0	0	0	---	---	5
6	---	---	0.136B	2.64 B	0.259	0.139	0	0	0	B	---	---	6
7	---	---	0.136B	5.72 B	0.235	0.110	0	0	0	0	---	---	7
8	---	---	0.136B	5.46 E	0.192	0.064	0	0	0	0	---	---	8
9	---	---	0.136B	5.64 E	0.213	0.038	0	0	0	0	---	---	9
10	---	---	0.136B	3.73 E	0.189	0.017	0	0	0	0	---	---	10
11	---	---	0.136B	1.80 A	0.141	0.011	0	0	0	0	---	---	11
12	---	---	0.140B	1.73 E	0.131	0.003	0	0	0	0	---	---	12
13	---	---	0.140B	1.67 E	0.133	0	0	0	0	0	---	---	13
14	---	---	0.140B	1.63 E	0.134	0	0	0	0	0	---	---	14
15	---	---	0.142B	1.59 E	0.118	0	0	0	0	0	---	---	15
16	---	---	0.142B	1.53 A	0.096	0	0	0	0	0	---	---	16
17	---	---	0.142B	1.38 A	0.106	0	0	0	0	0	---	---	17
18	---	---	0.144B	1.38 A	0.060	0	0	0	0.069	0	---	---	18
19	---	---	0.144B	1.44 A	0.082	0	0	0	0	0	---	---	19
20	---	---	0.146B	1.42 A	0.081	0	0	0	0	0	---	---	20
21	---	---	0.154B	1.38 A	0.068	0	0	0	0	0	---	---	21
22	---	---	0.150B	1.26 A	0.062	0	0	0	0	0	---	---	22
23	---	---	0.152B	1.06 A	0.038	0	0	0	0	0	---	---	23
24	---	---	0.148B	1.03 A	0.031	0	0	0	0	0	---	---	24
25	---	---	0.146B	0.778A	0.019	0	0	0	0	0	---	---	25
26	---	---	0.148B	0.750A	0.018	0	0	0	0	0	---	---	26
27	---	---	0.142B	0.723A	0.016	0	0	0	0	0	---	---	27
28	---	---	0.136B	0.555A	0.019	0	0	0	0	0	---	---	28
29	---		0.134B	0.418	0.016	0	0	0	0	0	---	---	29
30	---		0.136B	0.423	0.012	0	0	0	0	0	---	---	30
31	---		0.136B		0.011		0	0		0	---	---	31
TOTAL	---	---	4.336	48.119	4.019	0.522	0	0	0.069	0	---	---	TOTAL
MEAN	---	---	0.140	1.60	0.130	0.017	0	0	0.002	0	---	---	MEAN
MAX	---	---	0.180	5.72	0.374	0.139	0	0	0.069	0	---	---	MAX
MIN	---	---	0.124	0.138	0.011	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.233
MAXIMUM DAILY, 5.738 ON APR 7
MINIMUM DAILY, 0 ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 28 N
LONG 100 41 42 W
DRAINAGE AREA, 137 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	378	SEP	5.85
APR	4 180	OCT	0
MAY	347	NOV	---
JUN	46.1	DEC	---

TOTAL DISCHARGE, 4 930 dam³

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO. 05UD005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	186.573	186.329	186.371	186.078	185.777	185.283	184.983	184.998	185.018	184.888	185.491	185.673	1
2	186.568	186.327	186.370	186.081	185.749	185.257	184.997	184.974	185.025	184.878	185.517	185.673	2
3	186.561	186.331	186.363	186.048	185.704	185.234	184.994	184.995	185.026	184.890	185.534	185.670	3
4	186.554	186.330	186.366	186.029	185.657	185.211	184.972	185.006	185.044	184.906	185.545	185.671	4
5	186.560	186.332	186.365	186.025	185.616	185.184	184.978	184.991	185.052	184.943	185.583	185.674	5
6	186.551	186.335	186.354	186.015	185.580	185.158	184.993	184.986	185.051	184.965	185.580	185.689	6
7	186.542	186.337	186.360	186.014	185.561	185.138	184.998	184.972	185.038	184.993	185.585	185.699	7
8	186.536	186.339	186.350	186.006	185.556	185.134	185.011	184.970	185.014	185.013	185.587	185.718	8
9	186.529	186.344	186.339	185.994	185.519	185.112	185.013	184.976	185.014	185.048	185.573	185.735	9
10	186.518	186.348	186.331	185.987	185.500	185.085	185.028	184.976	185.018	185.035	185.592	185.741	10
11	186.518	186.354	186.328	185.986	185.481	185.057	185.043	184.983	185.013	185.028	185.611	185.752	11
12	186.510	186.345	186.314	185.985	185.466	185.046	185.050	184.987	185.007	185.022	185.626	185.758	12
13	186.508	186.347	186.307	185.980	185.455	185.032	185.050	184.980	184.999	185.048	185.632	185.763	13
14	186.505	186.341	186.298	185.977	185.437	185.008	185.045	184.971	184.983	185.040	185.640	185.767	14
15	186.492	186.340	186.289	185.981	185.428	184.987	185.041	184.986	184.986	185.048	185.673	185.789	15
16	186.474	186.341	186.280	185.976	185.417	184.971	185.038	184.987	184.981	185.061	185.682	185.789	16
17	186.467	186.341	186.289	185.972	185.403	184.980	185.038	184.975	184.980	185.085	185.682	185.788	17
18	186.442	186.342	186.283	185.988	185.388	184.978	185.041	184.982	184.957	185.107	185.688	185.771	18
19	186.425	186.342	186.282	185.982	185.369	184.962	185.031	184.988	184.932	185.117	185.704	185.767	19
20	186.410	186.343	186.253	185.974	185.358	184.953	185.039	184.990	184.907	185.148	185.702	185.772	20
21	186.398	186.352	186.243	185.957	185.364	184.948	185.042	184.995	184.885	185.164	185.704	185.758	21
22	186.381	186.360	186.226	185.948	185.332	184.979	185.038	184.996	184.885	185.187	185.708	185.742	22
23	186.370	186.385	186.208	185.928	185.321	185.000	185.026	184.958	184.881	185.213	185.894	185.726	23
24	186.385	186.388	186.194	185.907	185.318	185.008	185.015	184.892	184.888	185.251	185.880	185.701	24
25	186.338	186.368	186.181	185.889	185.310	184.999	185.011	184.988	184.870	185.271	185.878	185.682	25
26	186.328	186.368	186.183	185.873	185.287	184.995	185.009	184.987	184.883	185.298	185.879	185.675	26
27	186.318	186.383	186.149	185.858	185.288	184.963	185.004	184.982	184.884	185.324	185.877	185.658	27
28	186.309	186.382	186.142	185.841	185.273	184.985	185.013	184.988	184.858	185.358	185.878	185.645	28
29	186.316		186.126	185.826	185.303	184.998	185.008	185.007	184.853	185.391	185.870	185.640	29
30	186.320		186.107	185.805	185.301	184.993	184.996	185.011	184.852	185.427	185.870	185.625	30
31	186.328		186.095		185.285		185.000	185.014		185.457		185.632	31
MEAN	186.462	186.349	186.267	185.983	185.446	185.055	185.017	184.986	184.987	185.116	185.632	185.712	MEAN
MAX	186.573	186.388	186.371	186.078	185.777	185.283	185.050	185.014	185.052	185.457	185.708	185.772	MAX
MIN	186.308	186.327	186.095	185.805	185.273	184.949	184.972	184.983	184.852	184.888	185.491	185.625	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN. 185.575
MAXIMUM DAILY. 186.573 ON JAN 1
MINIMUM DAILY. 184.852 ON SEP 30
MAXIMUM INSTANTANEOUS.
186.582 AT 00 01 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

SIPIWESK LAKE AT SIPIWESK LANDING - STATION NO. 05UD007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	186.609	186.574	186.618	186.317	186.011	185.467	185.201	185.186	185.219	185.078A	185.726	185.868	1
2	186.605	186.574	186.612	186.296	185.983	185.417	185.183	185.259	185.213	185.056E	185.729	185.891	2
3	186.795	186.574	186.617	186.285	185.900	185.414	185.146	185.223	185.242	185.072A	185.726	185.884	3
4	186.603	186.570	186.617	186.277	185.856	185.373	185.178	185.182	185.245	185.145	185.729	185.889	4
5	186.788	186.569	186.614	186.262	185.822	185.348	185.236	185.172	185.243	185.196	185.734	185.901	5
6	186.780	186.571	186.618	186.257	185.811	185.348	185.209	185.182	185.249	185.183	185.753	185.906	6
7	186.787	186.567	186.606	186.247	185.783	185.350A	185.197	185.157	185.214	185.214	185.777	185.931	7
8	186.781	186.578	186.591	186.243	185.713	---	185.189	185.170	185.215	185.258	185.788	185.941	8
9	186.780	186.582	186.588	186.244	185.748	---	185.225	185.181	185.218	185.198	185.797	185.942	9
10	186.780	186.582	186.583	186.239	185.725	---	185.292	185.180	185.229	185.191	185.821	185.958	10
11	186.738	186.585	186.574	186.234	185.673	---	185.254	185.230	185.210	185.225	185.838	185.959	11
12	186.742	186.585	186.582	186.230	185.684	---	185.238	185.141	185.204	185.224	185.851	185.980	12
13	186.745	186.586	186.584	186.212	185.655	---	185.244	185.132	185.183	185.173	185.858	185.988	13
14	186.729	186.591	186.587	186.215	185.651	---	185.245	185.152	185.183	185.219	185.874	185.978	14
15	186.717	186.591	186.582	186.206	185.632	---	185.228	185.156	185.179	185.244	185.892	185.979	15
16	186.709	186.587	186.528	186.204	185.618	---	185.247	185.167	185.184	185.267	185.893	185.978	16
17	186.688	186.586	186.518	186.196	185.608	---	185.247	185.155	185.182	185.277	185.895	185.981	17
18	186.675	186.589	186.518	186.193	185.585	---	185.248	185.159	185.185	185.275	185.901	185.983	18
19	186.656	186.591	186.514	186.195	185.573	---	185.254	185.162	185.147	185.343	185.901	185.968	19
20	186.643	186.594	186.508	186.200	185.589	---	185.228A	185.162	185.113	185.359	185.908	185.976	20
21	186.634	186.597	186.495	186.200	185.549	---	185.225	185.163	185.072	185.389	185.919	185.961	21
22	186.612	186.604	186.478	186.178	185.508	---	185.216	185.186	185.054	185.418	185.906	185.952	22
23	186.598	186.612	186.484	186.185	185.520	---	185.210	185.155	185.055	185.465	185.898	185.929	23
24	186.590	186.611	186.463	186.145	185.515	---	185.207	185.171	185.055	185.414	185.895	185.909	24
25	186.579	186.611	186.433	186.127	185.500	---	185.194	185.188	185.059	185.440	185.895	185.896	25
26	186.583	186.611	186.412	186.098	185.498	---	185.186	185.151	185.095	185.476	185.886	185.891	26
27	186.592	186.607	186.390	186.078	185.503	---	185.183	185.168	185.089	185.528	185.885	185.887	27
28	186.553	186.613	186.380	186.051	185.538	---	185.191	185.185	185.042	185.564	185.885	185.901	28
29	186.589		186.384	186.036	185.517	185.198A	185.206	185.188	185.033	185.613	185.883	185.911	29
30	186.574		186.350	186.017	185.513	185.188	185.223	185.177	185.049	185.653	185.884	185.903	30
31	186.576		186.324		185.511		185.194	185.198		185.709		185.895	31
MEAN	186.686	186.591	186.515	186.188	185.652	---	185.218	185.171	185.154	185.317	185.844	185.933	MEAN
MAX	186.809	186.613	186.618	186.317	186.011	---	185.292	185.258	185.249	185.709	185.919	185.988	MAX
MIN	186.552	186.569	186.324	186.017	185.496	---	185.148	185.132	185.033	185.056	185.726	185.884	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY. 186.809 ON JAN 1
MINIMUM DAILY. 185.033 ON SEP 29
MAXIMUM INSTANTANEOUS.
186.818 AT 15 45 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 53 00 N
LONG 98 22 00 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

SNOW LAKE ABOVE SNOW CREEK DAM - STATION NO 05TB802

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.805	274.805	274.980E	274.788E	274.775	---	---	1
2	---	---	---	---	---	274.800E	274.800E	274.975	274.785	274.775E	---	---	2
3	---	---	---	---	---	274.805E	274.795	274.988E	274.788	274.775E	---	---	3
4	---	---	---	---	---	274.805	274.785E	274.935	274.785	274.775	---	---	4
5	---	---	---	---	---	274.805E	274.785	274.928E	274.785E	274.775E	---	---	5
6	---	---	---	---	275.045	274.805	274.805E	274.932E	274.785E	274.775	---	---	6
7	---	---	---	---	275.038E	274.805E	274.815	274.915	274.785	274.770E	---	---	7
8	---	---	---	---	275.032E	274.805	274.828E	274.912E	274.785E	274.765	---	---	8
9	---	---	---	---	275.025	274.810E	274.855	274.908E	274.785E	274.763E	---	---	9
10	---	---	---	---	275.025	274.815	274.868E	274.905	274.785	274.760E	---	---	10
11	---	---	---	---	275.030E	274.820E	274.882E	274.895E	274.785E	274.758E	---	---	11
12	---	---	---	---	275.035	274.825	274.895	274.885	274.785	274.755	---	---	12
13	---	---	---	---	275.030E	274.825E	274.905E	274.880E	274.785E	274.752E	---	---	13
14	---	---	---	---	275.025	274.825E	274.915	274.875	274.785	274.748E	---	---	14
15	---	---	---	---	275.030E	274.825	274.925E	274.872E	274.780E	274.745	---	---	15
16	---	---	---	---	275.015	274.820E	274.935	274.868E	274.785	274.745E	---	---	16
17	---	---	---	---	275.005E	274.815	274.945E	274.865	274.785E	274.745	---	---	17
18	---	---	---	---	274.995	274.812E	274.955E	274.858E	274.785	274.742E	---	---	18
19	---	---	---	---	274.980E	274.808E	274.985	274.852E	274.788E	274.738E	---	---	19
20	---	---	---	---	274.985	274.805	274.970E	274.845	274.788E	274.735	---	---	20
21	---	---	---	---	274.945E	274.805	274.975	274.838E	274.785	274.745E	---	---	21
22	---	---	---	---	274.935	274.805E	274.975E	274.825	274.785E	274.755	---	---	22
23	---	---	---	---	274.905E	274.805	274.982E	274.825E	274.785	274.765E	---	---	23
24	---	---	---	---	274.885	274.805E	274.985	274.835	274.780E	274.775	---	---	24
25	---	---	274.890	---	274.855E	274.805	274.980E	274.822E	274.775	274.775E	---	---	25
26	---	---	---	---	274.825	274.805E	274.985	274.815E	274.775E	274.775	---	---	26
27	---	---	---	---	274.815E	274.805	274.988E	274.815	274.775	274.775E	---	---	27
28	---	---	---	---	274.805	274.805E	275.002E	274.810E	274.775E	274.775	---	---	28
29	---		---	---	274.805E	274.805E	275.005	274.805	274.775	274.775	---	---	29
30	---		---	---	274.805E	274.805E	274.985E	274.805	274.775E	274.775E	---	---	30
31	---		---		274.805E		274.985	274.802E		274.775		---	31
MEAN	---	---	---	---	---	274.810	274.915	274.872	274.788	274.762	---	---	MEAN
MAX	---	---	---	---	---	274.825	275.005	274.980	274.788	274.775	---	---	MAX
MIN	---	---	---	---	---	274.805	274.785	274.802	274.775	274.735	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 52 23 N
LONG 99 58 42 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1972

DRAINAGE AREA
278 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO 05QB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	08	08	0 8	0.0018	3.27	0.544	0.010	0.001	0.008	0.002	0	0	1
2	08	08	0 8	0.0018	3.01	0.510	0.007	0	0.005	0.002	0	0	2
3	08	08	0 8	0.0038	3.84	0.478	0.004	0	0.004	0.001	0	08	3
4	08	08	0 8	5.85 E	2.75	0.456	0.003	0	0.003	0.001	0	08	4
5	08	08	0 8	10.8 E	2.57	0.434	0.002	0	0.002	0.001	0	08	5
6	08	08	0 8	10.8 E	2.33	0.405	0.001	0	0.002	0.001	0	08	6
7	08	08	0 8	6.83	2.12	0.382	0.001	0	0.001	0.001	0	08	7
8	08	08	0 8	6.15	1.84	0.343	0.001	0	0.001	0.001	0	08	8
9	08	08	0 8	10.1	1.65	0.324	0.001	0	0.001	0	0	08	9
10	08	08	0 8	11.0	1.78	0.286	0.009	0	0.002	0	0	08	10
11	08	08	0 8	11.2	1.53	0.296	0.004	0	0.002	0	0	08	11
12	08	08	0 8	11.0	1.43	0.303	0.003	0	0.002	0	0	08	12
13	08	08	0 8	10.9	1.38	0.282	0.003	0	0.002	0	0 001	08	13
14	08	08	0 8	10.8	1.15	0.293	0.002	0.019	0.001	0	0 001	08	14
15	08	08	0 8	10.7	1.08	0.227	0.002	0.114	0	0	0 001	08	15
16	08	08	0 8	10.2	0.989	0.215	0.001	0.350	0	0	0 001	08	16
17	08	08	0 8	9.59	0.850	0.226	0.001	0.249	0.002	0	0 001	08	17
18	08	08	0 8	9.27	0.855	0.179	0.001	0.145	0.001	0	0	08	18
19	08	08	0 8	8.98	0.872	0.133	0.002	0.090	0.002	0	0	08	19
20	08	08	0 8	7.83	0.850	0.119	0.001	0.068	0.002	0	0	08	20
21	08	08	0 8	6.71	0.798	0.111	0.001	0.058	0.001	0	0	08	21
22	08	08	0 0018	7.11	0.708	0.074	0.001	0.052	0.001	0	0	08	22
23	08	08	0 0028	6.45	0.743	0.068	0.001	0.057	0	0	0	08	23
24	08	08	0 0028	6.00	0.722	0.054	0.001	0.052	0	0	0	08	24
25	08	08	0 0028	5.80	0.692	0.044	0	0.048	0	0 001	0	08	25
26	08	08	0 0018	5.02	0.684	0.035	0	0.038	0	0 001	0	08	26
27	08	08	0 0018	4.32	0.685	0.027	0	0.034	0	0 001	0	08	27
28	08	08	0 0018	4.13	0.655	0.021	0	0.027	0 011	0 001	0	08	28
29	08		0 0018	3.88	0.635	0.018	0	0.022	0 008	0 001	0	08	29
30	08		0 0018	3.43	0.599	0.011	0	0.017	0 003	0 001	0	08	30
31	08		0 0018		0.553		0.002	0.010		0		08	31
TOTAL	0	0	0.013	213.835	43.010	5.885	0.086	1.446	0.083	0.018	0.005	0	TOTAL
MEAN	0	0	0	7.13	1.39	0.229	0.002	0.047	0.002	0.001	0	0	MEAN
MAX	0	0	0.002	11.2	3.27	0.544	0.010	0.350	0.011	0.002	0.001	0	MAX
MIN	0	0	0	0.001	0.553	0.011	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.727
MAXIMUM DAILY 11.2 ON APR 11
MINIMUM DAILY 08 ON JAN 1
MAXIMUM INSTANTANEOUS
12.48 AT 23 15 CST ON APR 5

SUMMARY FOR THE YEAR 1987

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 96 35 13 W
DRAINAGE AREA 980 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	5 70
FEB	0	AUG	135
MAR	1 12	SEP	5 44
APR	18 500	OCT	1 38
MAY	3 720	NOV	0 43
JUN	493	DEC	0

TOTAL DISCHARGE 23 000 dam³

SOURIS RIVER ABOVE HARTNEY DAM - STATION NO. 05NG805

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	420.619	420.039	419.020	418.920	419.603E	419.605E	419.555E	419.528E	---	1
2	---	---	---	420.629	420.022E	419.010E	418.925E	419.527E	419.600	419.580	419.532	---	2
3	---	---	419.805	420.649	420.008E	419.000	418.930	419.650	419.760E	419.580E	419.527E	---	3
4	---	---	---	420.759	419.989	418.975E	---	419.680E	419.720	419.580E	419.522	---	4
5	---	---	---	420.879	419.984E	418.950	---	419.670	419.707E	419.580	419.527E	---	5
6	---	---	---	420.589	419.939	418.937E	418.970	419.680E	419.693E	419.550E	419.532	---	6
7	---	---	---	420.395	419.899E	418.923E	418.980E	419.690	419.680	419.540	419.542E	---	7
8	---	---	---	420.539	419.839	418.910	418.990	419.663E	419.624E	419.540E	419.552E	---	8
9	---	---	---	420.573	419.812E	418.905E	418.990E	419.677E	419.558	419.540	419.562	---	9
10	---	---	---	420.593	419.788E	418.900	418.990	419.670	419.564E	419.543E	419.577E	---	10
11	---	---	---	420.589	419.759	418.910E	---	419.685E	419.580	419.547E	419.592	---	11
12	---	---	---	420.589	419.634E	418.920	---	419.680	419.563E	419.550	419.587E	---	12
13	---	---	---	420.589	419.509	418.927E	418.980	419.635E	419.567E	419.550E	419.582	---	13
14	---	---	---	420.589	419.444E	418.933E	418.915E	419.610	419.570	419.580	419.585E	---	14
15	---	---	---	420.589	419.379	418.940	418.880	419.650E	419.570E	419.550E	419.549E	---	15
16	---	---	---	420.589	419.378E	418.938E	418.830E	419.690E	419.570	419.580	419.532	419.434	16
17	---	---	---	420.589	419.372E	418.930	418.780	419.730	419.570E	419.550E	419.517E	---	17
18	---	---	---	420.548E	419.369	418.948	---	419.695E	419.570	419.580E	419.502	---	18
19	---	---	---	420.503E	419.367E	418.950	---	419.680	419.570E	419.580	419.502E	---	19
20	---	---	---	420.480E	419.385	418.943E	418.780	419.635	419.570E	419.550E	419.502	---	20
21	---	---	---	420.417E	419.388E	418.937E	418.623	419.640	419.570	419.580	---	---	21
22	---	---	---	420.374	419.371	418.930	---	419.643E	419.570E	419.545E	---	---	22
23	---	---	419.479	420.338E	419.371E	418.925E	---	419.647E	419.570	419.540	---	---	23
24	---	---	419.945	420.304E	419.372E	418.920	420.100	419.650	419.585E	419.537E	---	---	24
25	---	---	420.289	420.269E	419.372	418.920E	---	419.680E	419.580	419.533E	---	---	25
26	---	---	420.328	420.234E	419.374E	418.920	---	419.710	419.557E	419.530	---	---	26
27	---	---	420.548	420.198	419.375	418.913E	420.100	419.750E	419.563E	419.528	---	---	27
28	419.726	---	420.448	420.158E	419.085	418.907E	419.825E	419.780	419.550	419.522	---	---	28
29	---		420.429	420.119	419.070	418.900	419.550	419.787E	419.550E	419.522E	---	---	29
30	---		420.389	420.078E	419.053E	418.910E	419.585E	419.803E	419.550	419.522	---	---	30
31	---		420.389		419.037E		419.580	419.810		419.525E		---	31
MEAN	---	---	---	420.478	419.539	418.935	---	419.683	419.607	419.544	---	---	MEAN
MAX	---	---	---	420.879	420.039	419.020	---	419.810	419.805	419.580	---	---	MAX
MIN	---	---	---	420.078	419.037	418.900	---	419.603	419.550	419.522	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 420.879 ON APR 5

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 29 35 N
LONG 100 31 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
52 300 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOURIS RIVER AT SOURIS - STATION NO. 05NG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.9548	45.68	42.0	10.1	4.42	4.31	10.9	1.79	---	---	1
2	---	---	0.9708	49.48	41.3	8.83	4.26	4.83	10.9	2.00	---	---	2
3	---	---	0.8878	54.48	41.4	8.49	4.65	5.14	10.4	2.19	---	---	3
4	---	---	1.00 B	72.68	41.2	8.48	5.29	5.88	8.48	2.24	---	---	4
5	---	---	1.02 B	88.38	40.4	7.87	5.70	6.06	8.39	2.10	---	---	5
6	---	---	1.04 B	77.48	39.5	8.78	6.13	6.15	4.84	2.26	---	---	6
7	---	---	1.05 B	66.18	38.2	8.05	8.52	6.33	3.88	2.18	---	---	7
8	---	---	1.04 B	58.2	36.5	8.78	8.60	6.54	3.43	1.88	---	---	8
9	---	---	1.05 B	53.4	34.2	8.80	8.88	6.43	2.97	2.03	---	---	9
10	---	---	1.11 B	53.5	31.9	8.73	8.96	6.41	2.78	2.28	---	---	10
11	---	---	1.13 B	54.9	28.8	8.78	8.96	6.34	2.85	2.22	---	---	11
12	---	---	1.16 B	58.4	28.2	8.77	7.02	6.84	2.59	2.18	---	---	12
13	---	---	1.30 B	58.5	25.9	8.28	8.41	6.38	2.59	2.25	---	---	13
14	---	---	1.31 B	58.4	24.1	8.55	8.46	6.38	2.81	2.25	---	---	14
15	---	---	1.36 B	58.2	22.9	8.28	4.54	6.83	2.80	2.22	---	---	15
16	---	---	1.35 B	57.7	18.8	8.88	3.89	6.18	2.83	2.22	---	---	16
17	---	---	1.40 B	57.4	15.4	8.81	3.38	6.90	2.72	2.22	---	---	17
18	---	---	1.26 B	56.8	12.1	8.73	3.17	6.46	2.68	2.30	---	---	18
19	---	---	1.15 B	58.0	10.2	8.92	3.85	6.87	2.87	2.29	---	---	19
20	---	---	1.14 B	54.3	9.01	8.98	2.95	8.34	2.83	2.25	---	---	20
21	---	---	1.20 B	52.8	8.71	8.81	2.38	4.72	2.87	2.21	---	---	21
22	---	---	1.38 B	51.0	10.9	8.51	1.85	4.84	2.88	2.18	---	---	22
23	---	---	2.07 B	48.0	10.2	8.38	2.24	4.88	2.81	2.20	---	---	23
24	---	---	7.27 B	47.1	8.52	8.08	2.38	4.85	2.48	2.08	---	---	24
25	---	---	24.2 B	48.1	8.28	4.88	2.27	8.16	2.39	1.91	---	---	25
26	---	---	28.8 B	48.2	10.0	4.78	2.13	8.87	2.31	1.75	---	---	26
27	---	---	32.1 B	44.8	11.8	4.88	2.01	7.78	2.33	1.88	---	---	27
28	---	---	32.3 B	44.0	11.9	4.78	1.83	9.49	2.28	1.88	---	---	28
29	---		30.8 B	43.1	11.2	4.78	2.37	10.4	2.08	1.83	---	---	29
30	---		28.8 B	42.3	10.8	4.84	3.08	10.9	1.85	1.82	---	---	30
31	---		28.2 B		10.7		3.43	11.0		1.84		---	31
TOTAL	---	---	237.811	1 852.0	697.82	183.84	130.92	201.38	114.74	63.80	---	---	TOTAL
MEAN	---	---	7.67	55.1	22.5	8.13	4.22	8.50	3.82	2.06	---	---	MEAN
MAX	---	---	32.3	77.4	42.0	10.1	7.02	11.0	10.9	2.30	---	---	MAX
MIN	---	---	0.854	42.3	8.28	4.54	1.85	4.31	1.85	1.82	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 13.4
MAXIMUM DAILY, 77.48 ON APR 6
MINIMUM DAILY, 0.8548 ON MAR 1
MAXIMUM INSTANTANEOUS,
88.68 AT 20:48 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 55 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	11 300
FEB	---	AUG	17 400
MAR	20 500	SEP	9 910
APR	143 000	OCT	5 510
MAY	60 200	NOV	---
JUN	15 900	DEC	---

TOTAL DISCHARGE, 284 000 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.11 B	1.11 B	1 558	54.28	44.4	9.67	4.44	2.77	10.9	2.35	1.70	4.35 B	1
2	1.19 B	1.25 B	1 538	69.28	44.0	9.24	4.30	3.21	11.0	2.24	1.61	4.13 B	2
3	1.17 B	1.33 B	1 558	77.68	43.7	8.28	4.08	3.57	10.9	2.08	1.61	4.08 B	3
4	1.06 B	1.23 B	1 538	79.98	44.2	7.50	3.97	4.05	10.9	1.98	1.52	4.14 B	4
5	1.02 B	1.26 B	1 358	90.98	43.4	7.52	4.23	4.62	9.94	2.28	1.66	3.85 B	5
6	1.06 B	1.22 B	1 148	92.28	42.5	7.17	5.02	5.10	8.25	2.48	1.71	3.39 B	6
7	1.13 B	1.16 B	1 048	96.38	41.5	6.23	5.80	5.38	6.57	2.41	1.75	3.87 B	7
8	1.21 B	1.05 B	1 108	74.68	40.0	5.43	5.75	5.46	5.27	2.44	1.84	2.48 B	8
9	1.26 B	1.20 B	1 448	70.1	38.1	4.94	5.11	5.79	4.51	2.51	1.83	2.24 B	9
10	1.21 B	1.11 B	1 278	69.0	36.1	4.83	5.57	5.07	4.08	2.32	1.76	1.93 B	10
11	1.20 B	1.04 B	1 248	67.4	34.0	5.18	5.62	5.20	3.80	2.19	1.93	1.71 B	11
12	1.16 B	0.9358	1 358	65.0	31.9	4.94	5.38	5.13	3.42	2.39	2.31	1.30 B	12
13	1.07 B	0.9199	1 388	63.6	30.1	4.73	5.41	5.52	3.20	2.40	2.84	1.19 B	13
14	0.9878	1.06 B	1 388	62.9	27.5	4.78	5.30	5.18	2.99	2.35	3.10	1.02 B	14
15	1.11 B	1.17 B	1 388	62.1	25.4	5.07	5.57	15.6	2.96	2.36	3.21	0.9848	15
16	1.25 B	1.14 B	1 388	61.5	24.4	5.14	4.80	10.3	2.94	2.42	3.04	0.9578	16
17	1.25 B	1.21 B	1 578	60.8	21.2	4.73	4.00	8.30	3.30	2.45	2.80	0.8918	17
18	1.32 B	1.20 B	1 848	60.2	18.4	4.87	3.42	8.73	3.35	2.38	1.84	0.8828	18
19	1.50 B	1.15 B	1 648	59.5	12.4	4.52	3.87	8.01	3.03	2.26	1.738	0.7958	19
20	1.37 B	1.16 B	1 498	58.0	10.2	4.61	3.21	8.39	2.94	2.43	1.548	0.7828	20
21	1.27 B	1.23 B	3 318	56.9	8.95	4.98	3.06	8.54	2.82	2.54	1.548	0.7248	21
22	1.09 B	1.22 B	7 468	55.2	8.72	4.87	2.59	5.34	2.73	2.50	1.588	0.6548	22
23	1.10 B	1.20 B	3 088	53.3	10.0	4.78	2.27	4.91	2.71	2.48	1.578	0.6198	23
24	1.15 B	1.21 B	8 078	51.3	9.71	4.80	1.82	5.19	2.65	2.48	1.458	0.5838	24
25	1.26 B	1.36 B	9 488	49.7	8.35	4.28	1.49	5.27	2.61	2.39	1.538	0.5768	25
26	1.28 B	1.46 B	23.1 B	48.5	7.45	4.23	1.55	5.18	2.58	2.28	3.338	0.5378	26
27	1.36 B	1.29 B	47.1 B	47.3	8.58	4.21	1.88	5.70	2.55	2.18	3.638	0.5588	27
28	1.27 B	1.46 B	48.0 B	46.8	10.1	4.44	1.80	8.94	2.51	2.00	4.198	0.5418	28
29	1.14 B		48.3 B	46.0	10.7	4.54	1.83	8.73	2.54	1.82	4.638	0.5258	29
30	1.18 B		48.2 B	45.0	10.3	4.51	1.55	10.1	2.58	1.75	4.498	0.4878	30
31	1.17 B		48.3 B		9.63		1.69	10.6		1.78		0.4248	31
TOTAL	36.907	33.384	314.45	1 895.3	753.90	194.68	121.08	203.96	140.50	70.87	88.01	50.141	TOTAL
MEAN	1.19	1.19	10.1	63.2	24.3	5.40	3.91	8.58	4.68	2.29	2.27	1.62	MEAN
MAX	1.50	1.46	48.0	96.3	44.4	9.67	8.62	15.6	11.0	2.54	4.83	4.35	MAX
MIN	0.987	0.919	1.04	46.0	7.48	4.21	1.49	2.77	2.51	1.75	1.48	0.424	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.6
MAXIMUM DAILY, 96.38 ON APR 7
MINIMUM DAILY, 0.4248 ON DEC 31
MAXIMUM INSTANTANEOUS,
1038 AT 11 57 CST ON APR 7

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 05 N
LONG 99 40 55 W
DRAINAGE AREA, 80 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 180	JUL	10 500
FEB	2 880	AUG	17 600
MAR	27 200	SEP	12 100
APR	164 000	OCT	6 120
MAY	65 100	NOV	5 880
JUN	14 200	DEC	4 330

TOTAL DISCHARGE, 333 000 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05NF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8008	1.09 B	0.8818	39.28	37.4	7.51	6.32	6.13	6.20	1.90	1.85	1.01 B	1
2	0.7658	1.11 B	0.8668	41.28	36.0	6.86	6.34	6.26	5.65	2.35	1.50	0.5938	2
3	0.7508	1.07 B	0.8458	42.78	34.8	6.30	6.69	6.12	4.16	2.01	1.71	0.4038	3
4	0.7558	1.04 B	0.8308	41.3	33.3	6.19	6.56	6.20	3.93	2.05	1.89	0.2148	4
5	0.7458	1.00 B	0.8258	38.4	31.4	6.69	6.23	6.29	2.98	2.28	1.81	0.1448	5
6	0.7288	1.02 B	0.8318	33.6	28.9	6.50	6.03	6.01	2.83	2.20	2.51	0.1048	6
7	0.7098	1.04 B	0.9238	31.1	27.1	6.18	6.87	6.00	2.59	1.98	2.87	0.0838	7
8	0.6958	1.02 B	0.7178	29.8	26.7	6.73	6.74	6.44	2.58	1.93	2.94	0.1138	8
9	0.7058	1.01 B	0.6378	30.7	24.8	6.28	6.81	6.33	2.56	2.16	2.85	0.1728	9
10	0.7198	0.9829	0.6288	31.6	23.3	6.35	6.56	6.88	2.52	2.08	2.71	0.1428	10
11	0.7358	0.9688	0.7248	35.5	21.0	6.44	3.23	6.08	2.55	1.97	1.87	0.1528	11
12	0.7668	0.9478	0.6998	38.4	20.6	5.88	2.47	3.84	2.49	2.02	1.36	0.1358	12
13	0.7668	0.9368	0.6908	42.2	18.1	5.71	1.91	2.51	2.48	1.99	1.36	0.1208	13
14	0.7388	0.9048	0.6818	45.8	11.5	5.49	1.35	6.17	2.40	2.10	1.39	0.0858	14
15	0.6818	0.8778	0.6728	47.2	8.84	6.07	1.24	7.78	2.43	2.02	1.21	0.2598	15
16	0.7028	0.8528	0.6738	46.1	7.05	6.88	1.10	3.79	2.35	2.01	1.35	0.6348	16
17	0.7738	0.8388	0.7328	46.4	6.09	7.14	1.02	2.24	2.44	2.02	1.33	0.7158	17
18	0.8198	0.8258	0.8618	43.9	7.76	6.51	1.03	3.26	2.38	2.14	2.18	0.7508	18
19	0.8758	0.8548	0.8458	43.7	10.7	6.17	1.92	3.81	2.40	2.08	5.06	0.7388	19
20	0.9088	0.8588	1.23 B	39.0	8.90	6.25	1.55	3.90	2.30	1.54	5.67	0.7048	20
21	0.9208	0.8468	5.76 B	41.1	5.50	6.58	1.24	3.81	2.26	1.49	5.40	0.6888	21
22	0.8758	0.8278	9.87 B	42.4	6.60	6.63	1.16	4.85	2.22	1.65	5.80	0.6928	22
23	0.8488	0.8068	10.8 B	41.0	8.98	6.47	1.14	6.04	2.15	1.21	5.06	0.6788	23
24	0.8868	0.7878	11.2 B	41.2	9.73	6.20	2.25	8.73	2.04	1.38	4.588	0.7058	24
25	0.9068	0.7978	14.4 B	40.8	9.86	5.78	3.00	10.7	1.44	1.22	4.238	0.7228	25
26	0.9858	0.8198	19.5 B	39.1	8.48	5.38	3.23	11.6	1.24	1.25	4.11	0.7408	26
27	1.06 B	0.8228	22.3 B	36.3	7.89	4.74	3.31	12.0	1.81	1.29	4.06	0.7318	27
28	1.11 B	0.8608	26.2 B	36.9	8.60	4.26	3.83	11.9	2.09	1.23	4.06	0.7228	28
29	1.12 B		28.8 B	36.0	7.44	4.61	4.14	12.0	2.20	1.19	4.06	0.6978	29
30	1.11 B		33.5 B	36.8	6.23	5.74	4.77	12.3	2.19	1.22	3.80	0.6868	30
31	1.10 B		37.8 B		6.54		5.65	11.8		1.52		0.6668	31
TOTAL	26.057	25.814	236.283	1 187.6	510.18	172.25	110.53	205.14	81.79	55.28	89.60	15.008	TOTAL
MEAN	0.841	0.922	7.62	39.6	16.5	5.74	3.57	6.62	2.73	1.78	2.99	0.484	MEAN
MAX	1.12	1.11	37.8	47.2	37.4	7.51	6.69	12.3	6.20	2.35	5.80	1.01	MAX
MIN	0.681	0.787	0.672	28.8	5.50	4.18	1.02	2.24	1.24	1.19	1.21	0.083	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.64
MAXIMUM DAILY, 47.2 ON APR 15
MINIMUM DAILY, 0.0838 ON DEC 7
MAXIMUM INSTANTANEOUS,
47.5 AT 02 36 CST ON APR 15

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 27 N
LONG 100 57 12 W
DRAINAGE AREA, 63 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 250	JUL	9 550
FEB	2 230	AUG	17 700
MAR	20 400	SEP	7 070
APR	103 000	OCT	4 780
MAY	44 100	NOV	7 740
JUN	14 900	DEC	1 300

TOTAL DISCHARGE, 235 000 dam³

SOURIS RIVER NEAR LAUDER - STATION NO. 05NG025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.368	33.98	43.0	6.85	4.15	4.94	10.8	2.17	---	---	1
2	---	---	1.438	38.38	42.7	6.84	4.97	5.58	9.71	2.12	---	---	2
3	---	---	1.518	42.78	41.8	6.42	5.50	5.93	7.13	2.09	---	---	3
4	---	---	1.598	46.98	40.7	5.37	5.82	6.00	5.03	2.22	---	---	4
5	---	---	1.668	49.4	39.3	4.87	6.20	6.02	3.84	2.07	---	---	5
6	---	---	1.568	54.3	37.5	4.27	6.35	6.13	3.28	1.85	---	---	6
7	---	---	1.498	58.8	35.4	4.50	6.47	6.08	2.74	2.08	---	---	7
8	---	---	1.398	60.5	33.1	4.38	6.33	6.08	2.43	2.28	---	---	8
9	---	---	1.548	60.5	30.8	4.08	6.40	5.85	2.37	2.15	---	---	9
10	---	---	1.708	60.3	29.0	4.08	6.76	5.39	2.39	2.03	---	---	10
11	---	---	1.698	60.2	27.0	4.80	6.43	5.12	2.41	2.14	---	---	11
12	---	---	1.718	60.7	24.7	5.15	5.35	4.51	2.44	2.17	---	---	12
13	---	---	1.738	60.6	23.2	5.08	4.12	3.80	2.42	2.10	---	---	13
14	---	---	1.718	60.7	21.2	4.70	3.22	3.44	2.36	2.06	---	---	14
15	---	---	1.708	60.4	17.3	4.37	2.51	3.78	2.33	2.07	---	---	15
16	---	---	1.698	59.9	13.0	4.20	1.90	7.00	2.32	2.17	---	---	16
17	---	---	1.708	59.4	10.0	4.77	1.52	6.40	2.36	2.16	---	---	17
18	---	---	1.718	58.4	7.93	5.04	1.49	4.57	2.34	2.12	---	---	18
19	---	---	1.738	57.3	7.38	4.95	1.83	3.82	2.31	2.09	---	---	19
20	---	---	2.238	55.2	9.30	4.51	1.87	4.26	2.31	2.08	---	---	20
21	---	---	2.588	52.8	9.81	4.42	1.82	4.82	2.33	2.03	---	---	21
22	---	---	6.828	50.8	7.84	4.48	1.79	4.51	2.30	1.85	---	---	22
23	---	---	12.1 B	48.5	6.16	4.55	1.71	4.54	2.28	1.83	---	---	23
24	---	---	18.0 B	48.7	7.37	4.43	1.63	5.27	2.23	1.47	---	---	24
25	---	---	23.1 B	48.1	9.17	4.31	1.58	6.72	2.22	1.46	---	---	25
26	---	---	25.9 B	47.7	9.85	4.19	1.78	6.61	2.13	1.47	---	---	26
27	---	---	26.4 B	46.3	9.83	4.08	2.33	8.89	1.85	1.35	---	---	27
28	---	---	26.1 B	45.1	8.99	3.94	2.79	10.5	1.86	1.31	---	---	28
29	---		26.5 B	44.2	9.07	3.84	2.98	10.7	1.79	1.37	---	---	29
30	---		26.9 B	43.6	8.83	3.71	3.48	10.8	2.03	1.39	---	---	30
31	---		28.8 B		7.40		4.18	10.7		1.38		---	31
TOTAL	---	---	260.08	1 576.4	828.46	140.40	115.28	191.85	94.10	58.91	---	---	TOTAL
MEAN	---	---	8.39	52.5	30.3	4.68	3.72	6.18	3.14	1.90	---	---	MEAN
MAX	---	---	28.8	60.8	43.0	6.84	6.76	10.8	10.8	2.28	---	---	MAX
MIN	---	---	1.36	33.9	6.16	3.71	1.49	3.44	1.86	1.31	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.5
MAXIMUM DAILY, 60.8 ON APR 13
MINIMUM DAILY, 1.31 ON OCT 28
MAXIMUM INSTANTANEOUS,
61.0 AT 13:52 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 00 N
LONG 100 45 37 W
DRAINAGE AREA, 51 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 950
FEB	---	AUG	16 600
MAR	22 500	SEP	8 130
APR	136 000	OCT	5 090
MAY	54 300	NOV	---
JUN	12 100	DEC	---

TOTAL DISCHARGE, 285 000 dam³

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.765	0.765	0.821	24.18	37.1	4.90	5.51	6.12	3.58	2.07	1.59	0.263	1
2	0.765	0.765	0.821	23.28	34.0	3.26	5.34	6.14	3.65	2.12	1.56	0.119	2
3	0.765	0.765	0.821	22.78	31.7	3.45	5.14	6.12	3.54	2.10	1.55	0.088	3
4	0.765	0.765	0.821	22.18	29.7	4.13	5.00	6.14	3.14	2.07	1.53	0.079	4
5	0.765	0.765	0.821	21.68	27.1	5.75	5.95	6.23	2.32	1.87	1.78	0.042	5
6	0.736	0.765	0.821	24.18	24.3	5.49	5.97	6.17	2.28	2.04	2.78	0.013	6
7	0.765	0.766	0.821	25.98	22.9	4.05	5.86	5.49	2.32	2.07	2.75	0.085	7
8	0.765	0.793	0.7938	32.88	22.2	3.79	5.75	4.28	2.32	2.07	2.76	0.194	8
9	0.765	0.793	0.821	42.58	19.9	5.69	4.02	4.22	2.35	2.01	2.78	0.116	9
10	0.765	0.793	0.821	49.8	18.0	6.71	1.42	3.96	2.35	2.07	2.32	0.078	10
11	0.765	0.793	0.793	55.5	15.7	4.96	0.878	3.28	2.35	2.10	1.19	0.074	11
12	0.765	0.793	0.765	58.6	16.9	4.73	1.10	2.80	2.35	2.10	1.16	0.062	12
13	0.765	0.793	0.793	59.7	9.91	4.46	0.991	1.59	2.35	2.04	1.13	0.088	13
14	0.765	0.793	0.821	61.7	4.47	4.30	0.736	1.70	2.35	2.04	1.16	0.212	14
15	0.793	0.793	0.793	64.0	6.82	6.37	0.793	1.59	2.32	2.07	1.13	0.623	15
16	0.765	0.793	0.821	61.2	5.72	6.71	0.708	1.50	2.32	2.07	1.13	0.680	16
17	0.765	0.793	0.850	58.3	4.67	4.98	0.651	1.90	2.32	2.04	1.13	0.680	17
18	0.765	0.793	0.878	57.2	10.6	3.96	0.765	4.16	2.29	2.04	2.18	0.680	18
19	0.765	0.821	0.878	55.5	9.63	4.47	0.850	4.10	2.27	1.84	4.22	0.651	19
20	0.765	0.821	0.906	49.3	4.87	5.18	0.821	4.[illegible]	2.21	1.08	4.28	0.651	20
21	0.765	0.821	1.13 B	53.8	2.46	5.18	0.821	4.78	2.21	1.08	4.28	0.680	21
22	0.765	0.821	2.83 B	52.4	3.52	4.98	0.793	6.57	2.24	1.05	4.30	0.708	22
23	0.765	0.821	3.96 B	45.9	9.74	4.67	1.19	8.33	2.21	1.02	4.30	0.708	23
24	0.736	0.821	5.80 B	45.3	9.88	4.47	2.63	11.2	1.84	1.05	4.30	0.708	24
25	0.765	0.821	11.3 B	44.5	9.20	3.88	2.72	11.4	1.05	1.05	4.30	0.708	25
26	0.765	0.821	15.[illegible] B	43.6	8.63	2.92	2.75	11.4	1.53	1.02	4.30	0.736	26
27	0.765	0.821	16.9 B	40.2	8.83	2.75	3.14	11.4	2.21	1.02	4.30	0.736	27
28	0.765	0.821	18.2 B	40.5	7.93	3.34	4.02	11.4	2.18	1.02	4.30	0.736	28
29	0.765		21.2 B	38.8	5.44	6.40	4.08	11.3	2.21	1.02	4.38	0.736	29
30	0.765		22.7 B	39.4	5.15	6.54	5.41	11.2	2.21	1.16	2.88	0.736	30
31	0.765		23.2 B		8.55		6.74	8.81		1.53		0.765	31
TOTAL	23.685	22.288	186.200	1 313.3	438.53	142.46	98.547	189.77	70.98	51.93	81.74	13.437	TOTAL
MEAN	0.764	0.796	6.36	43.8	14.1	4.75	3.11	6.12	2.37	1.68	2.72	0.433	MEAN
MAX	0.793	0.821	23.2	64.0	37.1	6.71	6.74	11.4	3.86	2.12	4.38	0.765	MAX
MIN	0.736	0.765	0.765	21.5	2.46	2.75	0.851	1.50	1.05	1.02	1.13	0.013	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.15
MAXIMUM DAILY, 64.0 ON APR 15
MINIMUM DAILY, 0.013 ON DEC 6
MAXIMUM INSTANTANEOUS,
64.8 AT 04:45 CST ON APR 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 47 N
LONG 100 57 29 W
DRAINAGE AREA, 42 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 050	JUL	8 340
FEB	1 930	AUG	16 400
MAR	14 400	SEP	5 130
APR	113 000	OCT	4 490
MAY	37 900	NOV	7 060
JUN	12 300	DEC	1 180

TOTAL DISCHARGE, 225 000 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO 05KK005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.381	256.301	256.230	256.170	256.150	256.053	255.974	255.900	255.787	255.687	255.707	255.750	1
2	256.378	256.298	256.227	256.169	256.155	256.018	256.002	255.888	255.773	255.741	255.704	255.751	2
3	256.376	256.294	256.229	256.166	256.156	256.022	256.001	255.864	255.788	255.734	255.716	255.753	3
4	256.377	256.292	256.226	256.164	256.159	256.039	255.971	255.843	255.775	255.713	255.674	255.751	4
5	256.374	256.288	256.226	256.163	256.158	256.043	255.983	255.855	255.781	255.701	255.700	255.753	5
6	256.368	256.286	256.222	256.162	256.163	256.034	255.977	255.882	255.788	255.735	255.705	255.754	6
7	256.368	---	256.215	256.161	256.159	256.033	255.981	255.889	255.790	255.706	255.699	255.754	7
8	256.364	---	256.210	256.158	256.158	256.048	255.985	255.858	255.789	255.678	255.706	255.761	8
9	256.361	---	256.211	256.152	256.139	256.053	255.983	255.853	255.778	255.715	255.712	255.760	9
10	256.359	---	256.211	256.146	256.142	256.051	255.956	255.848	255.784	255.722	255.715	255.759	10
11	256.358	---	256.207	256.151	256.151	256.047	255.949	255.855	255.788	255.711	255.714	255.760	11
12	256.356	---	256.202A	256.152	256.148	256.052	255.975	255.871	255.787	255.721	255.713	255.762	12
13	256.351	---	---	256.151	256.133	256.050	255.989	255.852	255.774	255.703	255.715	255.764	13
14	256.348	---	---	256.155	256.128	256.039	255.985	255.845	255.784	255.689	255.726	255.766	14
15	256.345	---	---	256.153	256.123	256.031	255.981	255.831	255.759	255.701	255.732	255.768	15
16	256.344	---	---	256.155	256.114	256.035	255.950	255.841	255.783	255.705	255.734	255.770	16
17	256.339	256.243A	---	256.156	256.120	256.044	255.944	255.847	255.780	255.703	255.735	255.770	17
18	256.334	256.243	---	256.158	256.118	256.047	255.938	255.835	255.781	255.684	255.740	255.774	18
19	256.332	256.242	---	256.154	256.106	256.050	255.932	255.838	255.786	255.673	255.739	255.775	19
20	256.329	256.239	---	256.159	256.078	256.038	255.944	255.831	255.774	255.687	255.742	255.777	20
21	256.326	256.235	---	256.176	256.080	256.043	255.933	255.821	255.774	255.687	255.748	255.779	21
22	256.323	256.241	---	256.184	256.102	256.052	255.935	255.814	255.762	255.705	255.745	255.779	22
23	256.325	256.240	---	256.186	256.084	256.063	255.921	255.822	255.756	255.688	255.746	255.780	23
24	256.321	256.235	256.185A	256.183	256.084	256.042	255.922	255.808	255.754	255.710	255.748	255.782	24
25	256.321	256.233	256.183	256.185	256.085	256.015	255.919	255.814	255.755	255.708	255.749	255.783	25
26	256.319	256.232	256.179	256.171	256.079	256.021	255.918	255.817	255.754	255.688	255.750	255.785	26
27	256.314	256.230	256.174	256.171	256.069	256.018	256.912	255.811	255.745	255.687	255.750	255.788	27
28	256.311	256.231	256.177	256.172	256.083	256.004	255.908	255.808	255.744	255.700	255.780	255.789	28
29	256.311		256.178	256.163	256.048	256.000	255.904	255.782	255.722	255.686	255.781	255.789	29
30	256.308		256.177	256.185	256.040	256.002	255.900	255.771	255.738	255.684	255.780	255.789	30
31	256.304		256.173		256.044		255.901	255.777		255.689		256.790	31
MEAN	256.343	---	---	256.161	256.114	256.038	255.949	255.840	255.784	255.702	255.727	255.770	MEAN
MAX	256.381	---	---	256.176	256.183	256.053	256.002	255.900	255.790	255.741	255.751	255.780	MAX
MIN	256.304	---	---	256.148	256.040	256.000	255.900	255.771	255.722	255.673	255.674	255.750	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 256.381 ON JAN 1
MINIMUM DAILY, 255.673 ON OCT 19
MAXIMUM INSTANTANEOUS
256.382 AT 13:40 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

REGULATED SINCE 1964

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO 05GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.88	27.78	23.95	20.08	21.88	190E	144	88.9	55.3	53.6	55.28	36.78	1
2	31.78	27.58	23.78	19.88	23.58	191E	142	86.1	55.3	54.4	55.18	36.38	2
3	31.58	27.38	23.78	19.78	26.08	191E	139	84.4	54.6	56.1	54.98	35.88	3
4	31.48	27.28	23.68	19.88	28.28	188E	133	85.4	54.6	54.1	54.38	35.58	4
5	31.38	27.18	23.58	19.58	30.58	187E	132	83.2	52.8	53.0	53.88	35.08	5
6	31.08	26.98	23.38	19.48	32.88	184E	127	81.5	50.8	52.8	52.98	34.88	6
7	30.98	26.88	23.18	19.48	35.58	181E	125	80.3	49.6	51.6	52.18	34.38	7
8	30.88	26.78	23.08	19.38	38.28	177E	122	58.4	51.2	51.6	51.38	34.08	8
9	30.78	26.68	22.98	19.18	40.78	174A	117	57.3	52.7	51.9	50.28	33.68	9
10	30.48	26.58	22.88	19.08	43.38	168	114	58.2	58.4	52.6	49.28	33.38	10
11	30.38	26.28	22.88	18.88	48.08	165	112	54.0	60.0	53.2	48.38	32.88	11
12	30.28	26.18	22.58	18.88	53.38	164	109	53.2	62.6	52.7	47.88	32.68	12
13	30.08	26.08	22.48	18.78	58.58	162	107	52.7	65.9	52.1	46.68	32.08	13
14	29.98	25.98	22.38	18.58	67.1E	159	104	51.2	68.0	51.7	45.88	31.78	14
15	29.78	25.88	22.18	18.48	70.48	154	103	49.7	69.4	52.0	45.38	31.48	15
16	29.68	25.68	21.98	18.38	78.3E	153	99.6	48.7	69.4	52.3	44.58	31.08	16
17	29.58	25.58	21.98	18.18	81.5E	152	98.7	49.6	69.6	52.9	44.08	30.78	17
18	29.38	25.48	21.88	18.18	87.3E	151	98.8	50.9	69.4	53.4	43.18	30.48	18
19	29.28	25.38	21.78	17.98	95.4E	148	96.9	51.7	69.2	53.3	42.88	30.08	19
20	29.18	25.18	21.58	17.88	102 E	143	98.1	52.8	68.2	52.5	42.18	29.68	20
21	29.08	24.98	21.38	17.78	107 E	139	95.2	53.8	68.4	53.8	41.28	29.48	21
22	28.98	24.88	21.28	17.78	115 E	138	94.2	55.3	67.2	54.3	40.78	29.08	22
23	28.78	24.78	21.18	17.78	120 E	143	91.3	55.9	65.5	54.3	40.28	28.78	23
24	28.68	24.78	21.08	17.88	134 E	145	88.9	56.4	64.7	54.88	39.88	28.58	24
25	28.58	24.48	20.88	18.18	139 E	149	87.4	57.2	63.6	55.08	39.28	28.18	25
26	28.48	24.38	20.78	18.38	147 E	149	84.9	57.8	60.7	55.18	38.78	27.78	26
27	28.38	24.28	20.68	18.68	154 E	151	83.3	58.7	60.7	55.28	38.48	27.58	27
28	28.18	24.18	20.58	18.98	161 E	149	80.7	60.3	59.0	55.68	38.08	27.38	28
29	27.98		20.38	19.48	170 E	149	78.7	60.2	57.8	55.88	37.78	27.18	29
30	27.98		20.18	20.18	178 E	147	75.8	58.8	55.3	55.69	37.38	26.78	30
31	27.88		20.18		185 E		74.6	56.7		55.28		26.48	31
TOTAL	920.4	723.3	681.9	582.5	2 889.3	4 842	3 254.1	1 768.9	1 830.5	1 682.8	1 370.4	988.0	TOTAL
MEAN	29.7	25.8	22.0	18.8	86.1	161	105	57.1	61.0	53.6	45.7	31.2	MEAN
MAX	31.8	27.7	23.9	20.1	186	191	144	88.9	69.6	56.1	55.2	36.7	MAX
MIN	27.8	24.1	20.1	17.7	21.8	138	74.6	48.7	48.6	51.6	37.3	26.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1987

MEAN, 58.2
MAXIMUM DAILY, 191E ON JUN 2
MINIMUM DAILY, 17.78 ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 35 N
LONG 98 13 40 W
DRAINAGE AREA, 13 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	79 500	JUL	281 000
FEB	62 500	AUG	153 000
MAR	58 900	SEP	158 000
APR	48 600	OCT	144 000
MAY	231 000	NOV	118 000
JUN	418 000	DEC	83 600

TOTAL DISCHARGE, 1 840 000 dam³

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05DF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.23 B	0.045	0.005	0	0	0	0	---	---	1
2	---	---	0 B	0.958B	0.040	0.004	0	0	0	0	---	---	2
3	---	---	0 B	0.874B	0.037	0.004	0	0	0	0	---	---	3
4	---	---	0 B	4.20 B	0.034	0.002	0	0	0	0	---	---	4
5	---	---	0.0108	5.39 B	0.031	0.001	0	0	0	0	---	---	5
6	---	---	0.0308	3.50	0.028	0	0	0	0	0	---	---	6
7	---	---	0.0408	2.39	0.023	0	0	0	0	0	---	---	7
8	---	---	0.0398	1.83	0.021	0	0	0	0	0	---	---	8
9	---	---	0.0388	1.32	0.021	0	0	0	0	0	---	---	9
10	---	---	0.0378	0.925	0.021	0	0	0	0	0	---	---	10
11	---	---	0.0378	0.538	0.052	0	0	0	0	0	---	---	11
12	---	---	0.0358	0.436	0.018	0	0	0	0	0	---	---	12
13	---	---	0.0348	0.388	0.024	0	0	0	0	0	---	---	13
14	---	---	0.0338	0.319	0.040	0	0	0	0	0	---	---	14
15	---	---	0.0328	0.305	0.040	0	0	0.304	0	0	---	---	15
16	---	---	0.0318	0.288	0.038	0	0	0.150	0	0	---	---	16
17	---	---	0.0318	0.260	0.048	0	0	0.048	0	0	---	---	17
18	---	---	0.0308	0.222	0.048	0	0	0.018	0	0	---	---	18
19	---	---	0.0318	0.192	0.044	0	0	0.005	0	0	---	---	19
20	---	---	0.0378	0.182	0.045	0	0.007	0.001	0	0	---	---	20
21	---	---	0.2708	0.128	0.048	0	0	0	0	0	---	---	21
22	---	---	1.60 B	0.116	0.034	0	0.003	0	0	0	---	---	22
23	---	---	0.9008	0.091	0.018	0	0.002	0	0	0	---	---	23
24	---	---	0.9818	0.082	0.014	0	0	0	0	0	---	---	24
25	---	---	0.8108	0.078	0.012	0	0	0	0	0	---	---	25
26	---	---	0.7818	0.067	0.014	0	0	0	0	0	---	---	26
27	---	---	0.7728	0.060	0.018	0	0	0	0	0	---	---	27
28	---	---	0.7548	0.054	0.021	0	0	0	0	0	---	---	28
29	---		0.7368	0.047	0.016	0	0	0	0	0	---	---	29
30	---		0.7248	0.043	0.009	0	0	0	0	0	---	---	30
31	---		0.7128		0.005		0	0		0		---	31
TOTAL	---	---	9.585	26.592	0.904	0.015	0.012	0.524	0	0	---	---	TOTAL
MEAN	---	---	0.309	0.886	0.029	0.001	0	0.017	0	0	---	---	MEAN
MAX	---	---	1.60	5.38	0.052	0.005	0.007	0.304	0	0	---	---	MAX
MIN	---	---	0	0.043	0.005	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.154
MAXIMUM DAILY, 5.388 ON APR 5
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.568 AT 22 00 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 50 N
LONG 98 14 55 W
DRAINAGE AREA, 72.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.04
FEB	---	AUG	45.3
MAR	828	SEP	0
APR	2 300	OCT	0
MAY	78.1	NOV	---
JUN	1.38	DEC	---

TOTAL DISCHARGE, 3 250 dam³

SOUTHERN INDIAN LAKE AT MISSI FALLS - STATION NO. 05EC005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.891	---	---	---	257.212	---	257.830	257.786	257.759	257.830	257.827	257.686	1
2	257.886	---	---	---	257.232	---	257.838	257.719	257.790	257.899	257.852	257.674	2
3	257.883	---	---	---	257.251	---	257.885	257.783	257.780	257.900	257.855	257.669	3
4	257.879	---	---	---	257.278	---	257.838	257.796	257.776	257.886	257.790A	257.656	4
5	257.879	---	---	---	257.300	---	257.830	257.787	257.800	257.873	257.827E	257.644	5
6	257.889	---	---	---	257.305	---	257.838	257.771	257.811	257.887	257.854A	257.650	6
7	257.886	---	---	---	257.311	---	257.808	257.773	257.827	257.868	257.801	257.640	7
8	257.886	---	---	---	257.345	---	257.834	257.786	257.823	257.867	257.804	257.641	8
9	257.848	---	---	---	257.344	---	257.824	257.784	257.819	257.873	257.792	257.647	9
10	257.844	---	---	257.170A	257.348	---	257.812	257.770	257.817	257.892	257.781	257.631	10
11	257.843	---	---	257.182	257.374	---	257.821	257.758	257.820	257.884	257.778	257.624	11
12	257.834	---	---	257.182	257.400	---	257.827	257.781	257.808	257.894	257.779	257.624	12
13	257.843	---	---	257.190	257.456	---	257.822	257.787	257.812	257.887	257.778	257.624	13
14	257.852	---	---	257.177	257.461	257.808A	257.830	257.783	257.840	257.878	257.785	257.612	14
15	257.843	---	---	257.176	257.478	257.804	257.834	257.780	257.843	257.900	257.755	257.605	15
16	257.838	---	---	257.155	257.490	257.783	257.830	257.782	257.846	257.883	257.782	257.604	16
17	257.830	---	---	257.143	257.489	257.811	257.821	257.763	257.858	257.896	257.783	257.601	17
18	---	---	---	257.131	257.534	257.810	257.840	257.754	257.853	257.903	257.754	257.601	18
19	---	---	---	257.118	257.509	257.822	257.840	257.760	257.852	257.856	257.753	257.601	19
20	---	---	---	257.115	257.511	257.805	257.840	257.761	257.851	257.871	257.760	257.601	20
21	---	---	---	257.114	257.553	257.795	257.835	257.747	257.884	257.873	257.740	257.584	21
22	---	---	---	257.123	257.577	257.796	257.850	257.737	257.861	257.862	257.752	257.572	22
23	---	---	---	257.124	257.573	257.828	257.811	257.755	257.855	257.862	257.741	257.567	23
24	---	---	---	257.126	257.580	257.856	257.815	257.739	257.862	257.936	257.724	257.559	24
25	---	---	---	257.128	257.606	257.838	257.815	257.757	257.858	257.912	257.722	257.553	25
26	---	---	---	257.164	257.626	257.846	257.806	257.745	257.858	257.874	257.724	257.548	26
27	---	---	---	257.166	257.620	257.830	257.792	257.743	257.874	257.886	257.715	257.543	27
28	---	---	---	257.182	257.628	257.831	257.802	257.730	257.861	257.860	257.710	257.537	28
29	---		---	257.186	257.635	257.829	257.778	257.738	257.849	257.825	257.698	257.534	29
30	---		---	257.207	257.647	257.836	257.777	257.751	257.844	257.842	257.695	257.534	30
31	---		---		---		257.783	257.778		257.835		257.535	31
MEAN	---	---	---	---	---	---	257.822	257.761	257.834	257.875	257.758	257.604	MEAN
MAX	---	---	---	---	---	---	257.865	257.798	257.884	257.936	257.865	257.688	MAX
MIN	---	---	---	---	---	---	257.777	257.719	257.759	257.825	257.695	257.534	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 257.936 ON OCT 24
MINIMUM DAILY, 257.114 ON APR 21
MAXIMUM INSTANTANEOUS,
257.981 AT 15 35 CST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 47 N
LONG 98 09 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
261 000 km²

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO 05EC003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.480	---	257.215E	257.093	257.200	257.585	257.739	257.681	257.708	257.806	257.708	257.546	1
2	257.479	---	257.210A	257.091	257.213	257.583	257.734	257.714	257.674	257.780	257.712	257.538A	2
3	257.470	---	257.212	257.087	257.227	257.612	257.716	257.684	257.702	257.784	257.683	257.527E	3
4	257.475	---	257.213	257.088	257.244	257.590	257.743	257.685	257.725	257.798	257.714	257.517E	4
5	257.470	---	257.208	257.087	257.266	257.601	257.746	257.689	257.714	257.798	257.696	257.507A	5
6	257.459	---	257.208	257.084	257.279	257.618	257.723	257.677	257.701	257.788	257.688	257.489	6
7	257.453	---	257.187	257.077	257.284	257.627	257.750	257.686	257.718	257.801	257.700	257.501	7
8	257.453	---	257.177	257.077	257.304	257.631	257.741	257.680	257.734	257.786	257.695	257.497	8
9	257.448	---	257.177	257.081	257.321	257.635	257.737	257.681	257.747	257.782	257.678	257.488	9
10	257.438	---	257.178	257.086	257.328	257.645	257.742	257.682	257.753	257.778	257.685	257.485	10
11	257.438	---	257.169	257.075	257.337	257.650	257.722	257.687	257.753	257.788	257.680	257.480	11
12	257.436	---	257.159	257.089	257.354	257.662	257.722	257.650	257.747	257.787	257.655	257.475	12
13	257.448	---	257.159	257.086	257.363	257.684	257.723	257.640	257.745	257.785	257.650	257.468	13
14	257.431	---	257.153	257.071	257.365	257.677	257.718	257.647	257.781	257.809	257.651	257.459	14
15	257.423	---	257.153	257.088	257.374	257.686	257.711	257.658	257.759	257.785	257.648	257.448	15
16	257.416	---	257.148	257.088	257.382	257.693	257.740	257.657	257.781	257.770	257.635	---	16
17	257.413	---	257.148	257.083	257.387	257.697	257.746	257.649	257.783	257.758	257.624A	---	17
18	---	---	257.148	257.080	257.403	257.705	257.729	257.651	257.784	257.780	257.619E	---	18
19	---	---	257.148	257.089	257.437	257.699	257.725	257.642	257.785	257.805	257.615E	---	19
20	257.411A	---	257.145	257.070	257.486	257.712	257.719	257.640	257.780	257.789	257.609E	---	20
21	257.409	---	257.142	257.083	257.442	257.706	257.722	257.651	257.748	257.782	257.602A	---	21
22	257.393	---	257.139	257.072	257.441	257.713	257.702	257.659	257.772	257.780	257.598	---	22
23	257.390A	---	257.134	257.079	257.468	257.715	257.720	257.641	257.780	257.780	257.596A	---	23
24	---	---	257.121	257.081	257.484	257.722	257.709	257.651	257.768	257.783	257.591E	---	24
25	---	---	257.115	257.101	257.478	257.780	257.698	257.640	257.767	257.721	257.583A	---	25
26	---	---	257.116	257.115	257.503	257.743	257.697	257.641	257.758	257.780	257.578	---	26
27	---	---	257.112	257.130	257.528	257.753	257.690	257.640	257.763	257.753	257.570	---	27
28	---	---	257.105	257.148	257.530	257.784	257.690	257.651	257.755	257.730	257.560	---	28
29	---		257.101	257.182	257.542	257.748	257.697	257.693	257.776	257.742	257.562	---	29
30	---		257.100	257.187	257.542	257.740	257.677	257.724	257.783	257.731	257.552	---	30
31	---		257.100		257.544		257.680	257.681		257.728		---	31
MEAN	---	---	257.155	257.088	257.389	257.675	257.720	257.683	257.748	257.788	257.637	---	MEAN
MAX	---	---	257.215	257.187	257.544	257.754	257.750	257.724	257.780	257.809	257.714	---	MAX
MIN	---	---	257.100	257.080	257.200	257.555	257.677	257.640	257.674	257.693	257.552	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 257.809 ON OCT 14
MINIMUM DAILY, 257.080 ON APR 18
MAXIMUM INSTANTANEOUS,
257.838 AT 11:04 CST ON OCT 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 98 01 11 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE NEAR OPACHUANAU LAKE - STATION NO 05EC007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	97.525	97.402	97.282	97.135	97.226	97.590	97.784	97.758	97.724	97.883	97.745	97.586	1
2	97.512	97.392	97.246	97.133	97.241	97.642	97.767	97.817	97.686	97.744	97.718	97.585	2
3	97.508	97.377	97.264	97.132	97.255	97.641	97.737	97.714	97.750	97.787	97.690	97.587	3
4	97.520	97.388	97.246	97.138	97.268	97.614	97.787	97.692	97.785	97.835	97.708	97.561	4
5	97.502	97.373	97.244	97.135	97.292	97.645	97.767	97.708	97.730	97.812	97.677	97.554	5
6	97.494	97.367	97.240	97.129	97.307	97.674	97.785	97.716	97.728	97.814	97.676	97.541	6
7	97.489	97.364	97.215	97.118	97.327	97.680	97.807	97.704	97.733	97.800	97.690	97.556	7
8	97.481	97.348	97.210	97.121	97.335	97.670	97.765	97.723	97.766	97.815	97.682	97.543	8
9	97.481	97.344	97.214	97.120	97.351	97.677	97.794	97.702	97.772	97.751	97.695	97.527	9
10	97.472	97.352	97.217	97.119	97.362	97.688	97.798	97.690	97.776	97.760	97.693	97.527	10
11	97.484	97.341	97.208	97.117	97.389	97.698	97.788	97.701	97.773	97.782	97.690	97.518	11
12	97.472	97.338	97.188	97.114	97.397	97.705	97.769	97.648	97.767	97.773	97.682	97.518	12
13	97.478	97.336	97.200	97.107	97.404	97.690	97.771	97.620	97.767	97.783	97.676	97.508	13
14	97.455	97.333	97.198	97.122	97.412	97.698	97.761	97.658	97.784	97.811	97.678	97.503	14
15	97.460	97.330	97.195	97.110	97.419	97.728	97.758	97.693	97.778	97.790	97.678	97.495	15
16	97.454	97.324	97.189	97.105	97.435	97.756	97.809	97.681	97.772	97.775	97.665	97.486	16
17	97.448	97.321	97.191	97.105	97.441	97.734	97.789	97.672	97.768	97.762	97.650	97.482	17
18	97.442	97.321	97.190	97.103	97.446	97.740	97.763	97.684	97.779	97.740	97.651	97.481	18
19	97.437	97.314	97.188	97.111	97.523	97.739	97.765	97.654	97.761	97.842	97.636	97.479	19
20	97.440	97.310	97.188	97.104	97.531	97.767	97.759	97.656	97.776	97.795	97.642A	97.487	20
21	97.438	97.300	97.181	97.105	97.477	97.778	97.786	97.689	97.754	97.779	97.648	---	21
22	97.423	97.298	97.176	97.106	97.477	97.776	97.735	97.659	97.786	97.785	97.629	---	22
23	97.420	97.289	97.169	97.111	97.517	97.760	97.774	97.635	97.788	97.777	97.629	---	23
24	97.414	97.278	97.162	97.125	97.533	97.753	97.743	97.661	97.769	97.669	97.633	---	24
25	97.408	97.271	97.158	97.135	97.621	97.785	97.724	97.637	97.788	97.738	97.627	---	25
26	97.410	97.264	97.154	97.140	97.557	97.780	97.742	97.659	97.784	97.788	97.625	---	26
27	97.411	97.261	97.150	97.154	97.583	97.814	97.743	97.652	97.781	97.769	97.624	---	27
28	97.407	97.271	97.149	97.165	97.591	97.802	97.733	97.677	97.783	97.755	97.607	---	28
29	97.411		97.147	97.186	97.597	97.793	97.754	97.730	97.785	97.789	97.607	---	29
30	97.405		97.148	97.214	97.596	97.779	97.726	97.730	97.801	97.755	97.607	---	30
31	97.405		97.148		97.605		97.724	97.704		97.784		---	31
MEAN	97.454	97.328	97.195	97.127	97.432	97.721	97.764	97.687	97.785	97.782	97.652	---	MEAN
MAX	97.525	97.402	97.282	97.214	97.605	97.814	97.809	97.817	97.801	97.883	97.745	---	MAX
MIN	97.405	97.261	97.148	97.103	97.226	97.590	97.724	97.620	97.686	97.669	97.607	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 97.883 ON OCT 1
MINIMUM DAILY, 97.103 ON APR 18
MAXIMUM INSTANTANEOUS,
97.946 AT 05:00 CST ON OCT 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 47 00 N
LONG 99 31 00 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
281 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO. 05EC001

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	257.338	257.188	257.057	257.188	257.539	257.719	257.687	257.677	257.774	257.680	257.538	1
2	---	257.326	257.173	257.054	257.201	257.562	257.712	257.684	257.652	257.731	257.630	257.527	2
3	---	257.315	257.174	257.052	257.218	257.581	257.700	257.671	257.672	257.766	257.659	257.519	3
4	---	257.306	257.176	257.046	257.219	257.580	257.724	257.657	257.696	257.771	257.683	257.507	4
5	---	257.313	257.172	257.048	257.244	257.582	257.721	257.684	257.684	257.768	257.671	257.502	5
6	---	257.311	257.167	257.043	257.259	257.609	257.705	257.687	257.681	257.758	257.662	257.494	6
7	---	257.302	257.158	257.038	257.268	257.615	257.715	257.680	257.698	257.762	257.669	257.495	7
8	---	257.289	257.148	257.036	257.268	257.615	257.711	257.688	257.713	257.755	257.672	257.494	8
9	---	257.289	257.149	257.039	257.304	257.623	257.712	257.685	257.716	257.750	257.657	257.485	9
10	---	257.284	257.148	257.052	257.313	257.625	257.720	257.682	257.728	257.741	257.644	257.480	10
11	---	257.284	257.140	257.038	257.324	257.629	257.707	257.682	257.727	257.751	257.639	257.477	11
12	257.406	257.268	257.131	257.035	257.338	257.648	257.710	257.630	257.727	257.736	257.634	257.471	12
13	257.421	257.265	257.130	257.041	257.352	257.643	257.710	257.629	257.729	257.747	257.630	257.485	13
14	257.408	257.255	257.127	257.042	257.359	257.658	257.708	257.644	257.734	257.773	257.624	257.458	14
15	257.398	257.256	257.126	257.038	257.368	257.669	257.697	257.658	257.738	257.749	257.624	257.451	15
16	257.394	257.257	257.119	257.034	257.386	257.679	257.719	257.682	257.730	257.741	257.615	257.435	16
17	257.388	257.251	257.116	257.032	257.395	257.679	257.723	257.644	257.733	257.731	257.603	257.433	17
18	257.380	257.248	257.120	257.032	257.410	257.684	257.707	257.642	257.745	257.746	257.600	257.431	18
19	257.375	257.239	257.118	257.037	257.417	257.678	257.698	257.632	257.745	257.746	257.589	257.427	19
20	257.377	257.236	257.118	257.043	257.438	257.698	257.694	257.630	257.741	257.755	257.589	257.424	20
21	257.378	257.230	257.115	257.038	257.428	257.686	257.697	257.638	257.733	257.730	257.592	257.412	21
22	257.380	257.223	257.109	257.053	257.435	257.687	257.682	257.638	257.765	257.728	257.583	257.409	22
23	257.357	257.214	257.098	257.052	257.457	257.689	257.698	257.619	257.763	257.726	257.577	257.400	23
24	257.352	257.207	257.082	257.064	257.473	257.699	257.691	257.637	257.746	257.663	257.569	257.385	24
25	257.347	257.197	257.075	257.075	257.470	257.724	257.685	257.621	257.750	257.701	257.570	257.395	25
26	257.353	257.192	257.082	257.066	257.484	257.717	257.685	257.632	257.737	257.727	257.565	257.396	26
27	257.349	257.190	257.082	257.104	257.508	257.724	257.673	257.629	257.743	257.722	257.566	257.389	27
28	257.341	257.188	257.070	257.129	257.510	257.728	257.678	257.638	257.733	257.703	257.562	257.386	28
29	257.349		257.065	257.150	257.521	257.723	257.680	257.676	257.751	257.706	257.552	257.377	29
30	257.340		257.061	257.175	257.527	257.718	257.682	257.698	257.737	257.703	257.544	257.389	30
31	257.338		257.061		257.531		257.665	257.682		257.696		257.352	31
MEAN	---	257.280	257.122	257.059	257.378	257.657	257.700	257.650	257.724	257.736	257.616	257.445	MEAN
MAX	---	257.338	257.188	257.175	257.531	257.726	257.724	257.698	257.783	257.774	257.683	257.538	MAX
MIN	---	257.188	257.061	257.032	257.188	257.539	257.662	257.619	257.662	257.663	257.544	257.352	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 257.774 ON OCT 1
MINIMUM DAILY, 257.032 ON APR 17
MAXIMUM INSTANTANEOUS,
257.812 AT 12:05 CST ON OCT 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 45 44 N
LONG 98 55 28 W

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPLIT LAKE AT SPLIT LAKE - STATION NO. 05UF003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	166.088	---	167.526	167.095	167.288	166.655	166.404	166.410	166.237	166.463	166.641	166.906	1
2	166.086	---	167.523	167.071	167.273	166.658	166.394	166.338	166.251	166.511	166.701	166.892	2
3	166.084	---	167.509	167.054	167.273	166.661	166.410	166.383	166.231	166.477	166.727	166.898	3
4	166.084	---	167.513	167.051	167.287	166.645	166.418	166.385	166.230	166.411	166.748	166.910	4
5	166.087	167.758A	167.492	167.041	167.237	166.649	166.382	166.385	166.276	166.414	166.758	166.903	5
6	166.070	167.756	167.509	167.011	167.178	166.610	166.412A	166.386	166.287	166.406	166.794	166.930	6
7	166.068	167.774	167.556	166.979	167.102	166.582	166.388	166.388	166.392	166.405	166.902	166.967	7
8	166.073	167.799	167.601	166.952	167.035	166.576	166.447	166.371	166.384	166.389	167.062	166.984	8
9	166.080	167.826	167.638	166.943	166.984	166.559	166.438	166.348	166.356	166.442	167.170	166.955	9
10	166.042	167.833	167.633	166.964	166.959	166.550	166.438	166.341	166.372	166.477	167.160	166.954	10
11	166.092	167.874	167.606	166.969	166.927	166.534	166.484	166.285	166.387	166.500	167.072	166.959	11
12	167.383	167.881	167.585	166.952	166.875	166.528	166.473	166.315	166.398	166.520	166.996	166.959	12
13	167.920	167.858	167.573	166.935	166.835	166.522	166.488	166.333	166.410	166.529	166.940	166.968	13
14	167.886	167.813	167.536	166.916	166.843	166.508	166.506	166.343	166.413	166.531	166.909	166.962	14
15	167.855A	167.820	167.501	166.906	166.801	166.487	166.503	166.320	166.412	166.544	166.903	166.953	15
16	---	167.815	167.465	166.903	166.787	166.427A	166.490	166.329	166.414	166.533	166.887	166.942	16
17	---	167.771	167.419	166.909	166.787	166.378E	166.476	166.327	166.456	166.545	166.927	166.944	17
18	---	167.732	167.400	166.934	166.788	166.358E	166.478	166.311	166.497	166.551	166.973	166.954	18
19	---	167.719	167.377	166.961	166.713	166.348A	166.488	166.283	166.532	166.524	166.983	166.965	19
20	---	167.700	167.346	166.984	166.709	166.319	166.476	166.279	166.564	166.551	167.011	166.986	20
21	---	167.688	167.312	167.045	166.745	166.258	166.475	166.284	166.575	166.561	167.033	167.021	21
22	---	167.637	167.262	167.095	166.714	166.258	166.480	166.248	166.555	166.553	167.068	167.060	22
23	---	167.633	167.264	167.145	166.897	166.295	166.471	166.249	166.504	166.550	167.134	167.095	23
24	---	167.623	167.239	167.209	166.888	166.356	166.471	166.261	166.472	166.549	167.144	167.137	24
25	---	167.603	167.222	167.238	166.886	166.378	166.488	166.270	166.481	166.545	167.088	167.152	25
26	---	167.570	167.193	167.258	166.671	166.404	166.456	166.280	166.477	166.554	167.036	167.154	26
27	---	167.543	167.168	167.273	166.620	166.415	166.440	166.258	166.484	166.561	166.989	167.180	27
28	---	167.519	167.140	167.270	166.581	166.383	166.451	166.256	166.503	166.564	166.941	167.162	28
29	---		167.123	167.280	166.586	166.384	166.429	166.243	166.491	166.549	166.920	167.183	29
30	---		167.107	167.262	166.583	166.413	166.426	166.227	166.473	166.590	166.914	167.221	30
31	---		167.086		166.606		166.437	166.248		166.607		167.261	31
MEAN	---	---	167.402	167.053	166.884	166.470	166.451	166.312	166.416	166.513	166.951	167.015	MEAN
MAX	---	---	167.838	167.273	167.273	166.661	166.506	166.410	166.575	166.607	167.170	167.261	MAX
MIN	---	---	167.086	166.903	166.581	166.258	166.382	166.227	166.230	166.389	166.841	166.892	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 168.073 ON JAN 8
MINIMUM DAILY, 166.227 ON AUG 30
MAXIMUM INSTANTANEOUS,
168.094 AT 00:01 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 98 05 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

ST. MALO RESERVOIR NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.085	256.057	256.067	256.249	256.238	256.133	256.046	256.063	256.023E	255.947	255.958	25 .026	1
2	256.086	256.058	256.067	256.273	256.233	256.129	256.046	256.063	256.020E	255.945	255.958	25 .127	2
3	256.087	256.060	256.085	256.308	256.226	256.129	256.045	256.061	256.016E	255.945	255.959	25 .27	3
4	256.088	256.057	256.088	256.389	256.220	256.132	256.045	256.061	256.012E	255.940	255.959	256 .27	4
5	256.088	256.058	256.089	256.454	256.217	256.130	256.045	256.058	256.008E	255.944	255.959	256 .27	5
6	256.089	256.059	256.070	256.476	256.213	256.125	256.043	256.054	256.005E	255.946	255.980	256.028	6
7	256.070	256.058	256.070	256.447	256.205	256.120	256.040	256.054	256.001E	255.947	255.981	256.029	7
8	256.070	256.058	256.088	256.430	256.195	256.124	256.038	256.057	255.997E	255.947	255.982	256.028	8
9	256.070	256.061	256.070	256.429	256.184	256.114	256.037	256.057	255.993E	255.946	255.983	256.030	9
10	256.071	256.059	256.071	256.418	256.170	256.108	256.041	256.057	255.989E	255.945	255.984	256.031	10
11	256.071	256.059	256.071	256.394	256.164	256.109	256.040	256.055	255.985E	255.945	255.984	256.033	11
12	256.071	256.061	256.073	256.373	256.157A	256.108	256.043	256.055	255.975E	255.945	255.984	256.031	12
13	256.072	256.061	256.074	256.380	256.151E	256.108	256.044	256.055	255.962E	255.943	255.985	256.031	13
14	256.072	256.061	256.075	256.348	256.144E	256.095	256.047	256.050	255.952E	255.941	255.986	256.032	14
15	256.069	256.060	256.072	256.338	256.138E	256.084	256.050	256.072	255.941A	255.942	255.989	256.031	15
16	256.072	256.058	256.07.	256.326	256.131E	256.078	256.050A	256.071	255.981	255.942	255.974	256.030	16
17	256.069	256.061	256.072	256.321	256.125E	256.074	256.052E	256.071	255.980	255.943	255.978	256.031	17
18	256.067	256.057	256.071	256.317	256.118E	256.073	256.058E	256.068	255.961	255.942	255.978	256.032	18
19	256.064	256.058	256.072	256.316	256.108A	256.072	256.070E	256.064	255.971	255.942	255.984	256.032	19
20	256.061	256.061	256.074	256.310	256.105	256.072	256.087A	256.063	255.971	255.942	255.989	256.032	20
21	256.059	256.061	256.091	256.311	256.114	256.074	256.089	256.052	255.969	255.942	255.986	256.032	21
22	256.062	256.061	256.117	256.307	256.122	256.073	256.093	256.048	255.968	255.942	256.000	256.032	22
23	256.063	256.059	256.120	256.302	256.124	256.072	256.092	256.046	255.965	255.944	256.005	256.031	23
24	256.063	256.063	256.133	256.295	256.122	256.064	256.085	256.046	255.963	255.947	256.014	256.031	24
25	256.063	256.065	256.148	256.284	256.121	256.058	256.083	256.044	255.962	255.950	256.022	256.031	25
26	256.057	256.065	256.158	256.278	256.120	256.055	256.074	256.043	255.961	255.951	256.024	256.031	26
27	256.053	256.064	256.190	256.271	256.129	256.053	256.068	256.041	255.956	255.952	256.024	256.031	27
28	256.056	256.065	256.173	256.261	256.148	256.052	256.065	256.039	255.954	255.953	256.024	256.031	28
29	256.056		256.204	256.251	256.150	256.051	256.063	256.038A	255.951	255.954	256.024	256.030	29
30	256.056		256.216	256.244	256.150	256.049	256.063	256.031E	255.951	255.955	256.025	256.030	30
31	256.056		256.234		256.142		256.063	256.027E		255.956		256.030	31
MEAN	256.065	256.060	256.103	256.335	256.157	256.081	256.059	256.054	255.978	255.948	255.983	256.030	MEAN
MAX	256.072	256.065	256.234	256.476	256.238	256.133	256.093	256.072	256.023	255.956	256.025	256.033	MAX
MIN	256.053	256.056	256.065	256.244	256.105	256.049	256.037	256.027	255.951	255.940	255.958	256.026	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MEAN, 256.072
MAXIMUM DAILY, 256.476 ON APR 6
MINIMUM DAILY, 255.940 ON OCT 4
MAXIMUM INSTANTANEOUS,
256.494 AT 00:28 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 06 N
LONG 95 56 13 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1959

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

STEEPROCK RIVER NEAR MAFEKING - STATION NO. 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8888	0.8408	2.57E	4.10	2.74	2.15E	1.78	1.84	---	---	1
2	---	---	0.8888	0.9748	2.50E	4.32	7.04	2.13E	1.72	1.78	---	---	2
3	---	---	0.8888	1.10 B	2.38E	4.67	4.99	2.13E	1.83	1.73	---	---	3
4	---	---	0.8888	1.39 B	2.25E	4.84	4.27	2.24E	1.58	1.91	---	---	4
5	---	---	0.8408	1.80 B	2.15E	4.03	9.43	2.45E	1.56	9.80	---	---	5
6	---	---	0.7478	1.43 B	2.09E	3.47	12.8	2.58E	1.52	7.82	---	---	6
7	---	---	0.7478	2.62 B	2.04E	3.22	13.9	2.57E	1.47	5.84	---	---	7
8	---	---	0.7478	4.27 B	1.98E	3.02	9.21	2.36E	1.47	5.36	---	---	8
9	---	---	0.7478	4.39 B	1.92E	2.74	6.81	2.30E	1.47	4.86	---	---	9
10	---	---	0.7478	3.19	1.84E	2.48	5.51	2.24A	1.53	4.22	---	---	10
11	---	---	0.7478	3.28	1.82E	2.43	5.08	2.38	2.17	3.80	---	---	11
12	---	---	0.7478	2.88	1.83E	2.26	4.63	2.30	2.18	3.78	---	---	12
13	---	---	0.7478	2.84	1.89E	2.11	4.71	2.11	2.14	4.58	---	---	13
14	---	---	0.7478	3.28	2.07E	1.90	4.72	1.96	2.05	5.07	---	---	14
15	---	---	0.7648	4.45	1.78E	1.77	4.31	2.12A	1.87	4.47	---	---	15
16	---	---	0.8858	5.80	1.67E	1.97	3.88	2.09E	1.95	4.23	---	---	16
17	---	---	0.8888	5.97	1.64E	5.32	4.08	3.44A	3.10	4.06	---	---	17
18	---	---	0.8888	5.31	1.54E	3.83	3.78	2.94	3.89	3.91	---	---	18
19	---	---	0.8488	5.01	1.50E	2.98	3.78	2.64	3.34	3.70	---	---	19
20	---	---	0.8578	4.93	1.45E	2.51	3.51	2.68	3.00	3.60	---	---	20
21	---	---	0.8908	4.58	1.41E	2.25	3.56	3.44	2.75	3.50	---	---	21
22	---	---	0.9328	4.46	1.38E	2.08	3.40	3.84	2.52	3.36	---	---	22
23	---	---	0.8738	3.95	1.32E	2.09	3.75	3.17	2.34	3.32	---	---	23
24	---	---	0.8088	3.65	1.29E	1.92	3.35	2.78	2.21	3.22	---	---	24
25	---	---	0.7738	3.75	1.25E	1.84	3.46	2.52	2.14	3.18	---	---	25
26	---	---	0.7648	3.53	1.21A	1.78	3.28	2.39	2.10	3.75	---	---	26
27	---	---	0.7738	3.24	1.32A	1.67	2.84	2.23	2.07	3.67	---	---	27
28	---	---	0.8318	3.09	5.15A	1.58	2.72A	2.11	2.01	3.52	---	---	28
29	---		0.7898	2.97 A	7.89	1.47	2.58E	2.01	1.92	3.44	---	---	29
30	---		0.7848	2.83 E	5.59	1.41	2.40E	1.93	1.87	3.50	---	---	30
31	---		0.8068		4.28		2.30E	1.86		3.35	---	---	31
TOTAL	---	---	24.447	101.884	72.18	82.04	153.07	78.44	63.45	124.27	---	---	TOTAL
MEAN	---	---	0.789	3.40	2.33	2.73	4.94	2.47	2.12	4.01	---	---	MEAN
MAX	---	---	0.932	5.97	7.89	5.32	13.9	3.84	3.89	9.80	---	---	MAX
MIN	---	---	0.688	0.840	1.21	1.41	2.30	1.86	1.47	1.73	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 2.85
MAXIMUM DAILY, 13.9 ON JUL 7
MINIMUM DAILY, 0.688 ON MAR 1
MAXIMUM INSTANTANEOUS
19.0 AT 18:31 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 40 N
LONG 101 06 45 W
DRAINAGE AREA, 301 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 200
FEB	---	AUG	6 500
MAR	2 110	SEP	5 480
APR	8 800	OCT	10 700
MAY	6 240	NOV	---
JUN	7 090	DEC	---

TOTAL DISCHARGE, 80 200 dam³

STEPHENFIELD RESERVOIR NEAR STEPHENFIELD - STATION NO 05CF008

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	295.516	295.583	295.685	295.823	295.736	295.853	295.478	295.408	295.632	295.680	295.408	295.410	1
2	295.521	295.587	295.686	295.818	295.732	295.849	295.478	295.386	295.637	295.647	295.406	295.415	2
3	295.526	295.589	295.693	295.956	295.726	295.634	295.473	295.377	295.643	295.641	295.399	295.420A	3
4	295.530	295.581	295.702	296.025	295.728	295.624	295.472	295.361	295.643	295.632	295.392	---	4
5	295.531	295.597	295.710	295.298	295.723	295.622	295.463	295.357	295.643	295.614	295.372	---	5
6	295.531	295.588	295.723	295.548	295.710	295.621	295.428	295.352	295.657	295.589	295.359	---	6
7	295.536	295.589	295.742	295.453	295.709	295.617	295.431	295.346	295.677	295.588	295.360	---	7
8	295.543	295.587	295.748	295.394	295.708	295.604	295.424	295.341	295.684	295.577	295.366	---	8
9	295.548	295.600	295.727	295.311	295.695	295.600	295.426	295.328	295.688	295.584	295.357	---	9
10	295.550	295.603	295.726	295.212	295.689	295.590	295.439	295.302	295.692	295.582	295.380	---	10
11	295.557	295.609	295.715	295.121	295.679	295.601	295.447	295.304	295.691	295.562	295.385	---	11
12	295.562	295.612	295.703	295.058	295.681	295.588	295.447	295.318	295.692	295.533	295.387	---	12
13	295.565	295.612	295.695	296.010	295.671	295.584	295.442	295.315	295.691	295.527	295.389	---	13
14	295.564	295.610	295.686	295.971	295.657	295.581	295.441	295.338	295.693	295.507	295.389	---	14
15	295.583	295.614	295.678	295.939	295.655	295.574	295.444	295.468	295.693	295.488	295.380	---	15
16	295.587	295.621	295.674	295.902	295.647	295.569	295.440	295.585	295.698	295.484	295.385	---	16
17	295.588	295.629	295.674	295.884	295.637	295.556	295.440	295.655	295.703	295.470	295.387	---	17
18	295.588	295.629	295.679	295.868	295.628	295.557	295.438	295.897	295.703	295.489	295.384	---	18
19	295.577	295.633	295.676	295.855	295.619	295.548	295.466	295.704	295.701	295.444	295.399	---	19
20	295.578	295.638	295.676	295.821	295.614	295.540	295.471	295.893	295.698	295.432	295.398	---	20
21	295.580	295.639	295.682	295.808	295.611	295.543	295.468	295.683	295.695	295.414	295.402	---	21
22	295.580	295.642	295.727	295.798	295.614	295.540	295.470	295.668	295.696	295.410	295.404	---	22
23	295.578	295.646	295.766	295.780	295.617	295.537	295.474	295.661	295.694	295.408	295.402	---	23
24	295.578	295.649	295.795	295.773	295.613	295.528	295.477	295.657	295.698	295.402	295.401	---	24
25	295.586	295.653	295.825	295.758	295.602	295.518	295.480	295.654	295.705	295.393	295.401	---	25
26	295.592	295.670	295.858	295.742	295.587	295.510	295.476	295.654	295.702	295.390	295.400	---	26
27	295.593	295.676	295.878	295.750	295.605	295.503	295.471	295.648	295.701	295.384	295.399	---	27
28	295.586	295.685	296.870	295.749	295.626	295.504	295.483	295.642	295.700	295.396	295.399	---	28
29	295.586		295.893	295.738	295.637	295.490	295.449	295.638	295.688	295.408	295.403	---	29
30	295.583		295.938	295.738	295.644	295.484	295.421	295.633	295.658	295.407	295.405	---	30
31	295.582		295.949		295.648		295.418	295.627		295.411		---	31
MEAN	295.562	295.622	295.746	295.871	295.680	295.570	295.453	295.510	295.683	295.498	295.387	---	MEAN
MAX	295.593	295.685	295.949	296.548	295.728	295.853	295.480	295.704	295.705	295.680	295.408	---	MAX
MIN	295.516	295.583	295.674	295.735	295.597	295.484	295.418	295.302	295.632	295.384	295.358	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 296.548 ON APR 6
MINIMUM DAILY, 295.302 ON AUG 10
MAXIMUM INSTANTANEOUS,
295.622 AT 13.15 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 18 49 W

A - MANUAL GAUGE

REGULATED SINCE 1914

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STONY CREEK NEAR BROOMHILL - STATION NO 05NC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.7888	0.002	0	0	0	0	0	---	---	1
2	---	---	0 B	0.7988	0.001	0	0	0	0	0	---	---	2
3	---	---	0 B	2.34	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	2.81	0.001	0	0	0	0	0	---	---	4
5	---	---	0 B	2.78	0	0	0	0	0	0	---	---	5
6	---	---	0 B	2.82	0	0	0	0	0	0	---	---	6
7	---	---	0 B	2.87	0	0	0	0	0	0	---	---	7
8	---	---	0 B	1.95	0	0	0	0	0	0	---	---	8
9	---	---	0 B	1.44	0	0	0	0	0	0	---	---	9
10	---	---	0 B	1.08	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.844	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.645	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.519	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.387	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.269	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.200	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.146	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.122	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.099	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.077	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.060	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.050	0	0	0	0	0	0	---	---	22
23	---	---	0.2178	0.041	0	0	0	0	0	0	---	---	23
24	---	---	1.88 B	0.034	0	0	0	0	0	0	---	---	24
25	---	---	1.03 B	0.028	0	0	0	0	0	0	---	---	25
26	---	---	0.7868	0.022	0	0	0	0	0	0	---	---	26
27	---	---	0.8478	0.015	0	0	0	0	0	0	---	---	27
28	---	---	1.45 B	0.010	0	0	0	0	0	0	---	---	28
29	---		1.38 B	0.006	0	0	0	0	0	0	---	---	29
30	---		0.0938	0.003	0	0	0	0	0	0	---	---	30
31	---		0.1508		0		0	0		0		---	31
TOTAL	---	---	7.843	22.609	0.005	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.286	0.754	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.88	2.78	0.002	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.125
MAXIMUM DAILY, 2.78 ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.59 AT 13.10 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 52 N
LONG 101 05 54 W
DRAINAGE AREA, 475 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	838	SEP	0
APR	1 950	OCT	0
MAY	0 43	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 840 dam³

STURGEON CREEK AT ST. JAMES - STATION NO. 05MJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.0758	0.038	0.020A	0.205	0.212	0.051	0.015	---	---	1
2	---	---	0.0128	0.0438	0.027	0.018E	0.099	0.331	0.047	0.012	---	---	2
3	---	---	0.0148	0.2538	0.007	0.017E	0.081	0.187	0.048	0.013	---	---	3
4	---	---	0.0168	2.41 B	0.002	0.017E	0.058	0.173	0.052	0.047	---	---	4
5	---	---	0.0248	14.7 B	0.026	0.017E	0.078	0.179	0.052	0.042	---	---	5
6	---	---	0.0468	38.3 B	0.043	0.017E	0.205	0.193	0.048	0.018	---	---	6
7	---	---	0.0518	50.9 B	0.032	0.018E	0.072	0.283	0.038	0.018	---	---	7
8	---	---	0.0508	59.4 B	0.023	0.019A	0.086	0.230	0.035	0.018	---	---	8
9	---	---	0.0458	60.2	0.019A	0.024	0.174	0.219	0.034	0.018	---	---	9
10	---	---	0.0388	50.9	0.017E	0.087	0.270	0.746	0.038	0.018	---	---	10
11	---	---	0.0348	41.3	0.017E	0.218	0.083	0.398	0.032	0.017	---	---	11
12	---	---	0.0308	27.4	0.017E	0.340	0.091	0.295	0.043	0.018	---	---	12
13	---	---	0.0298	17.4	0.018A	0.340	0.071	0.328	0.034	0.017	---	---	13
14	---	---	0.0308	11.7	0.018E	0.292	0.092	2.79	0.035	0.014	---	---	14
15	---	---	0.0338	7.62	0.018E	0.282	0.072	8.90	0.034	0.018	---	---	15
16	---	---	0.0378	5.81	0.019A	0.248	0.088	14.0	0.038	0.018	---	---	16
17	---	---	0.0418	3.89	0.019A	0.412	0.083	8.04	0.035	0.018	---	---	17
18	---	---	0.0488	2.51	0.018E	0.188	0.204	4.18	0.034	0.016	---	---	18
19	---	---	0.0508	1.52	0.017E	0.199	0.853	2.05	0.031	0.018	---	---	19
20	---	---	0.0558	0.584	0.023A	0.202	0.154	1.08	0.028	0.018	---	---	20
21	---	---	0.0598	0.192	0.032	0.473	0.181	0.437	0.033	0.113	---	---	21
22	---	---	0.0648	0.083	0.026	0.238	0.200	0.231	0.034	0.250	---	---	22
23	---	---	0.0688	0.054	0.023	0.105	0.117	0.156	0.036	0.250	---	---	23
24	---	---	0.0708	0.038	0.020	0.074	0.112	0.138	0.054	0.250A	---	---	24
25	---	---	0.0688	0.055	0.018E	0.098	0.130	0.112	0.035	0.250E	---	---	25
26	---	---	0.0669	0.055	0.021A	0.084	0.103	0.087	0.025	0.180E	---	---	26
27	---	---	0.0658	0.045	0.027	0.070	0.112	0.078	0.025	0.120E	---	---	27
28	---	---	0.0668	0.049	0.029	0.066	0.130	0.084	0.053	0.080A	---	---	28
29	---	---	0.0678	0.031	0.028	0.070	0.138	0.075	0.022	0.050E	---	---	29
30	---	---	0.0688	0.028	0.024	0.074	0.282	0.057	0.018	0.040E	---	---	30
31	---	---	0.0708		0.030		0.745	0.049		0.030E	---	---	31
TOTAL	---	---	1.425	398.481	0.882	4.315	5.065	46.180	1.122	1.972	---	---	TOTAL
MEAN	---	---	0.046	13.3	0.022	0.144	0.163	1.49	0.037	0.064	---	---	MEAN
MAX	---	---	0.070	60.2	0.043	0.473	0.745	14.0	0.054	0.250	---	---	MAX
MIN	---	---	0.010	0.028	0.002	0.017	0.053	0.049	0.018	0.012	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 60.2 ON APR 8
MINIMUM DAILY, 0.002 ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 16 43 W
DRAINAGE AREA 576 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	439
FEB	---	AUG	3 990
MAR	123	SEP	95.9
APR	34 400	OCT	170
MAY	58.9	NOV	---
JUN	373	DEC	---

TOTAL DISCHARGE, 39 800 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO. 05MJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	1.45 B	0.102	0.044	0.047	0.083	0.083	0.035	---	---	1
2	---	---	0.0088	2.14 B	0.092	0.039	0.042	0.046	0.085	0.070	---	---	2
3	---	---	0.0088	2.55 B	0.080	0.036	0.043	0.030	0.088	0.088	---	---	3
4	---	---	0.0098	7.48 B	0.085	0.038	0.044	0.030	0.070	0.073	---	---	4
5	---	---	0.0108	23.0	0.088	0.042	0.043	0.034	0.088	0.071	---	---	5
6	---	---	0.0118	33.1	0.068	0.042	0.041	0.025	0.072	0.078	---	---	6
7	---	---	0.0128	44.8	0.043	0.030	0.038	0.035	0.088	0.074	---	---	7
8	---	---	0.0148	53.6	0.040	0.029	0.038	0.031	0.088	0.074	---	---	8
9	---	---	0.0158	45.7	0.037	0.031	0.043	0.029	0.071	0.082	---	---	9
10	---	---	0.0168	37.1	0.034	0.038	0.043	0.040	0.071	0.084	---	---	10
11	---	---	0.0178	30.1	0.030	0.031	0.049	0.038	0.068	0.066	---	---	11
12	---	---	0.0188	19.8	0.028	0.028	0.053	0.054	0.070	0.067	---	---	12
13	---	---	0.0208	12.3	0.027	0.030	0.043	0.044	0.070	0.081	---	---	13
14	---	---	0.0218	7.97	0.024	0.029	0.041	0.049	0.068	0.063	---	---	14
15	---	---	0.0228	5.44	0.030	0.032	0.038	8.03 A	0.061	0.069	---	---	15
16	---	---	0.0338	4.31	0.031	0.038	0.038	9.54 A	0.065	0.068	---	---	16
17	---	---	0.0448	3.82	0.028	0.038	0.034	4.80	0.061	0.067	---	---	17
18	---	---	0.0558	1.86	0.035	0.037	0.038	2.37	0.056	0.058	---	---	18
19	---	---	0.0668	1.30	0.035	0.038	0.071	1.48	0.055	0.061	---	---	19
20	---	---	0.0778	0.697	0.033	0.038	0.116	1.20	0.044A	0.057	---	---	20
21	---	---	0.1738	0.390	0.028	0.040	0.048	0.843	0.049E	0.053	---	---	21
22	---	---	0.2648	0.316	0.033	0.040	0.038	0.822	0.044E	0.051	---	---	22
23	---	---	0.3648	0.216	0.035	0.040	0.055	0.471	0.039A	0.050	---	---	23
24	---	---	0.4598	0.195	0.039	0.038	0.041	0.350	0.042	0.048	---	---	24
25	---	---	0.5558	0.280	0.040	0.037	0.033	0.289	0.041	0.044	---	---	25
26	---	---	1.65 B	0.198	0.039	0.038	0.031	0.213	0.042	0.036	---	---	26
27	---	---	3.32 B	0.175	0.043	0.040	0.029	0.178	0.038	0.030	---	---	27
28	---	---	2.82 B	0.157	0.053	0.040	0.029	0.150	0.035	0.030	---	---	28
29	---		1.86 B	0.120	0.043	0.042	0.031	0.121	0.031	0.034	---	---	29
30	---		1.40 B	0.118	0.045	0.045	0.034	0.097	0.037	0.031	---	---	30
31	---		0.9328		0.050		0.084	0.091		0.034	---	---	31
TOTAL	---	---	14.186	339.683	1.354	1.101	1.379	29.383	1.773	1.785	---	---	TOTAL
MEAN	---	---	0.458	11.3	0.044	0.037	0.044	0.948	0.059	0.057	---	---	MEAN
MAX	---	---	3.32	53.6	0.102	0.045	0.116	9.54	0.088	0.088	---	---	MAX
MIN	---	---	0.008	0.118	0.024	0.028	0.029	0.025	0.031	0.030	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.55
MAXIMUM DAILY, 53.6 ON APR 8
MINIMUM DAILY, 0.0088 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 20 N
LONG 97 20 40 W
DRAINAGE AREA 943 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	119
FEB	---	AUG	2 540
MAR	1 230	SEP	183
APR	29 300	OCT	182
MAY	117	NOV	---
JUN	95.1	DEC	---

TOTAL DISCHARGE, 33 700 dam³

SWAN (PEMBINA) LAKE NEAR SWAN LAKE - STATION NO. 05OB016

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.784	2.148	1.183	0.859	0.512	0.802	0.758	0.814	---	1
2	---	---	---	0.850	2.113	1.144	0.848	0.508	0.812	0.787	0.808A	---	2
3	---	---	---	0.927	2.078	1.128	0.841	0.484	0.821	0.784	---	---	3
4	---	---	---	1.038	2.047	1.112	0.830	0.479	0.816	0.733	---	---	4
5	---	---	---	1.196	2.011	1.094	0.818	0.470	0.818	0.732	---	---	5
6	---	---	---	1.384	1.973	1.076	0.810	0.448	0.817	0.745	---	---	6
7	---	---	---	1.567	1.939	1.046	0.797	0.449	0.816	0.739	---	---	7
8	---	---	---	1.812	1.904	1.023	0.786	0.441	0.815	0.715	---	---	8
9	---	---	---	2.088	1.874	1.004	0.782	0.434	0.813	0.710	---	---	9
10	---	---	---	2.248	1.836	0.989	0.804	0.434	0.815	0.705	---	---	10
11	---	---	---	2.378	1.807	0.971	0.797	0.428	0.818	0.703	---	---	11
12	---	---	---	2.478	1.770	0.956	0.783	0.422	0.819	0.701	---	---	12
13	---	---	---	2.538	1.725	0.938	0.778	0.428	0.821	0.693	---	---	13
14	---	---	---	2.580	1.684	0.918	0.771	0.486	0.818	0.693	---	---	14
15	---	---	---	2.595	1.653	0.898	0.786	0.567	0.819	0.675	---	---	15
16	---	---	0.828A	2.582	1.622	0.879	0.788	0.728	0.816	0.672	---	---	16
17	---	---	0.837	2.578	1.584	0.852	0.845	0.767	0.813	0.658	---	---	17
18	---	---	0.847	2.563	1.548	0.838	0.842	0.782	0.816	0.661	---	---	18
19	---	---	0.851	2.548	1.513	0.819	0.849	0.788	0.813	0.661	---	---	19
20	---	---	0.858	2.504	1.475	0.804	0.848	0.787	0.808	0.838	---	---	20
21	---	---	0.850	2.488	1.448	0.798	0.840	0.782	0.805	0.843	---	---	21
22	---	---	0.861	2.458	1.421	0.778	0.845	0.765	0.800	0.841	---	---	22
23	---	---	0.864	2.424	1.393	0.758	0.841	0.761	0.793	0.837	---	---	23
24	---	---	0.868	2.392	1.365	0.737	0.835	0.784	0.788	0.838	---	---	24
25	---	---	0.872	2.367	1.340	0.718	0.831	0.789	0.784	0.838	---	---	25
26	---	---	0.877	2.311	1.318	0.703	0.822	0.775	0.780	0.811	---	---	26
27	---	---	0.883	2.280	1.300	0.684	0.815	0.780	0.775	0.818	---	---	27
28	---	---	0.887	2.248	1.281	0.685	0.808	0.784	0.785	0.827	---	---	28
29	---		0.895	2.210	1.258	0.675	0.803	0.783	0.789	0.821	---	---	29
30	---		0.716	2.162	1.229	0.867	0.802	0.788	0.785	0.818	---	---	30
31	---		0.753		1.211		0.803	0.789		0.817		---	31
MEAN	---	---	---	2.093	1.641	0.886	0.807	0.825	0.805	0.878	---	---	MEAN
MAX	---	---	---	2.595	2.148	1.183	0.859	0.821	0.787	---	---	---	MAX
MIN	---	---	---	0.784	1.211	0.887	0.802	0.422	0.775	0.811	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 2.595 ON APR 15
MINIMUM DAILY, 0.422 ON AUG 12
MAXIMUM INSTANTANEOUS,
2.597 AT 00 28 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 20 N
LONG 98 54 00 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SWAN LAKE NEAR NOVRA - STATION NO. 05LE007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	258.665A	259.176	259.013	258.897	258.815	258.780	258.574	---	---	1
2	---	---	---	258.655	259.170	258.907	258.839	258.899	258.819	258.659	---	---	2
3	---	---	---	258.666A	259.164	258.856	258.851	258.828	258.779	258.661	---	---	3
4	---	---	---	---	259.148	258.890	258.843	258.885	258.725	258.591	---	---	4
5	---	---	---	---	259.116	258.892	258.850	258.876	258.780	258.608	---	---	5
6	---	---	---	---	259.134	258.999	258.884	258.882	258.748	258.667	---	---	6
7	---	---	---	---	259.118A	258.982	258.851	258.889	258.729	258.667	---	---	7
8	---	---	---	---	---	259.018	258.890	258.868	258.739	258.699	---	---	8
9	---	---	---	---	---	259.031	258.891	258.854	258.735	258.625	---	---	9
10	---	---	---	---	---	259.031	258.845	258.890	258.724	258.677	---	---	10
11	---	---	---	---	---	258.986	258.886	258.830	258.719	258.671	---	---	11
12	---	---	---	---	---	259.001	258.881	258.844	258.736	258.678	---	---	12
13	---	---	---	---	---	258.983	258.882	258.853	258.738	258.695	---	---	13
14	---	---	---	258.984A	---	258.959	258.903	258.856	258.724	258.657	---	---	14
15	---	---	---	258.999	---	258.991	258.918	258.840	258.726	258.668	---	---	15
16	---	---	---	259.028	---	258.981	258.888	258.822	258.706	258.681	---	---	16
17	---	---	---	259.045	---	258.936	258.890	258.844	258.674	258.687	---	---	17
18	---	---	---	259.054	---	258.939	258.913	258.816	258.695	258.617	---	---	18
19	---	---	---	259.073	---	258.944	258.910	258.842	258.714	258.628	---	---	19
20	---	---	---	259.086	---	258.938	258.913	258.847	258.724	258.685	---	---	20
21	---	---	---	259.097	---	258.933	258.925	258.795	258.722	258.721	---	---	21
22	---	---	---	259.112	---	258.916	258.914	258.788	258.714	258.693	---	---	22
23	---	---	---	259.120	---	258.913	258.920	258.824	258.704	258.694	---	---	23
24	---	---	---	259.137	---	258.887	258.927	258.821	258.692	258.713	---	---	24
25	---	---	---	259.140	---	258.911	258.929	258.827	258.695	258.707	---	---	25
26	---	---	---	259.110	258.983A	258.884	258.941	258.811	258.706	258.681	---	---	26
27	---	---	---	259.152	258.982	258.860	258.936	258.813	258.672	258.693	---	---	27
28	---	---	---	259.153	259.003	258.856	258.926	258.810	258.687	258.707	---	---	28
29	---		---	259.164	259.006	258.847	258.922	258.738	258.646	258.694	---	---	29
30	---		---	259.173	259.020	258.878	258.933	258.725	258.686	258.727	---	---	30
31	---		---		259.017		258.922	258.784		258.723		---	31
MEAN	---	---	---	---	---	---	258.944	258.837	258.734	258.719	258.686	---	MEAN
MAX	---	---	---	---	---	---	259.031	258.941	258.815	258.819	258.727	---	MAX
MIN	---	---	---	---	---	---	258.911	258.839	258.725	258.646	258.674	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY, 259.176 ON MAY 1

MAXIMUM INSTANTANEOUS,
259.180 AT 19 39 CST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

DRAINAGE AREA,
10 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

SWAN RIVER NEAR MINITONAS - STATION NO. 05LE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6535	0.6248	0.6678	3.738	11.7	3.18	1.54	4.25	1.93	1.15	4.94	1.47 B	1
2	0.6938	0.6038	0.6898	3.828	10.8	3.63	1.37	3.67	1.93	1.02	4.86	1.39 B	2
3	0.7038	0.5868	0.7218	3.468	9.86	3.80	1.18	3.24	1.61	0.997	4.92	1.32 B	3
4	0.7178	0.5658	0.6068	14.8 B	9.32	3.91	1.14	2.95	1.38	1.01	4.86	1.25 B	4
5	0.7268	0.6008	0.9118	51.6 B	8.76	4.08	2.07	2.78	1.42	1.19	4.57	1.35 B	5
6	0.7508	0.5978	0.9678	93.4 B	8.65	4.64	3.19	2.88	1.37	1.08	4.29	1.38 B	6
7	0.7678	0.5918	0.9708	81.5 B	7.94	5.25	3.12	2.95	1.29	1.06	4.26B	1.36 B	7
8	0.7708	0.6048	0.9688	86.5 B	7.11	5.67	3.24	2.82	1.26	1.27	4.08B	1.45 B	8
9	0.7708	0.5988	0.8388	76.7	6.26	5.78	8.44	2.68	1.22	1.50	3.94B	1.47 B	9
10	0.7688	0.6008	0.8828	81.3	5.68	5.24	8.28	2.80	1.15	1.88	3.80B	1.49 B	10
11	0.7638	0.5948	0.8028	72.5	5.27	4.96	8.88	2.71	1.20	3.21	3.67B	1.61 B	11
12	0.7568	0.5888	0.7348	54.4	4.93	4.49	8.56	2.51	1.20	3.34	3.57B	1.56 B	12
13	0.7518	0.5858	0.6838	38.1	4.46	3.82	8.21	2.38	1.18	3.80	3.44B	1.50 B	13
14	0.7248	0.5828	0.6788	34.7	4.10	3.38	8.07	2.21	1.14	3.80	3.31B	1.49 B	14
15	0.6208	0.5118	0.8568	31.1	3.79	3.04	8.08	2.18	1.05	3.48	3.21B	1.42 B	15
16	0.5088	0.5108	0.8398	27.7	3.58	2.80	9.98	2.27	0.961	3.53	3.08B	1.26 B	16
17	0.4878	0.5338	0.8438	25.8	3.38	2.62	9.19	2.18	1.25	3.76	2.95B	1.22 B	17
18	0.5118	0.5808	0.8758	24.5	3.29	2.38	8.30	2.03	1.41	4.04	2.85B	1.28 B	18
19	0.5758	0.5838	0.7458	23.6	3.13	2.13	8.24	1.95	1.28	4.42	2.73B	1.31 B	19
20	0.6038	0.5868	0.7968	23.3	2.98	1.98	8.40	1.90	1.21	4.98	2.61B	1.30 B	20
21	0.6128	0.5748	0.9518	22.2	2.93	1.88	8.14	2.11	1.15	5.03	2.49B	1.25 B	21
22	0.6028	0.5928	1.01 B	20.9	2.81	1.85	7.86	2.05	1.08	4.97	2.39B	1.14 B	22
23	0.5828	0.6148	0.7158	19.8	2.70	1.96	8.14	2.07	0.995	4.79	2.27B	1.11 B	23
24	0.5428	0.6328	0.4938	18.9	2.85	1.83	8.50	2.05	1.15	4.64	2.16B	1.03 B	24
25	0.5188	0.6508	0.6648	18.3	2.67	1.68	8.09	2.02	1.39	4.24	2.04B	0.9508	25
26	0.5208	0.6818	2.80 B	16.5	2.89	1.58	7.82	2.01	1.40	4.10	1.95B	0.9778	26
27	0.5498	0.6848	8.58 B	15.4	2.82	1.50	7.13	2.17	1.39	3.77	1.85B	1.02 B	27
28	0.5838	0.6868	5.65 B	14.6	3.25	1.38	6.39	2.24	1.29	4.38	1.75B	0.9568	28
29	0.5998		6.34 B	13.4	3.09	1.33	5.89	2.08	1.27	4.98	1.66B	1.00 B	29
30	0.6198		6.03 B	12.6	2.87	1.19	4.99	1.85	1.28	4.86	1.56B	0.9388	30
31	0.6318		5.16 B		2.86		4.81	1.85		5.01		0.8368	31
TOTAL	19.981	16.906	52.082	1 008.13	186.54	82.94	193.85	78.54	37.958	100.647	95.08	39.087	TOTAL
MEAN	0.645	0.583	1.68	33.6	6.05	2.10	6.26	2.44	1.27	3.25	3.20	1.26	MEAN
MAX	0.770	0.686	8.58	93.4	11.7	5.78	9.98	4.25	1.93	5.03	4.94	1.61	MAX
MIN	0.487	0.510	0.483	3.46	2.86	1.19	1.14	1.85	0.961	0.997	1.56	0.836	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.18
MAXIMUM DAILY, 93.48 ON APR 6
MINIMUM DAILY, 0.4878 ON JAN 17

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 730	JUL	18 700
FEB	1 430	AUG	8 530
MAR	4 500	SEP	3 280
APR	87 100	OCT	8 700
MAY	13 500	NOV	8 300
JUN	8 030	DEC	3 380

TOTAL DISCHARGE, 183 000 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO. 05TG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5068	0.4048	0.3778	0.5898	13.3	7.20	6.67	2.85	2.91	5.40	3.63E	1.26 B	1
2	0.5008	0.4018	0.3778	0.5848	13.6	7.49	6.13	2.50	2.88	5.65	3.69E	1.22 B	2
3	0.4878	0.3988	0.3798	0.6148	13.9	7.58	5.59	2.33	2.96	5.85	3.70E	1.18 B	3
4	0.4848	0.3858	0.3798	0.6178	14.0	7.35	5.19	2.29	3.36	5.84	3.67E	1.14 B	4
5	0.4918	0.3928	0.3808	0.6298	14.3 A	7.14	4.83	2.17	3.47	5.61	3.58E	1.11 B	5
6	0.4868	0.3898	0.3838	0.6598	13.9	6.78	4.46	2.07	3.42	5.41	3.50E	1.08 B	6
7	0.4858	0.3868	0.3868	0.6938	13.3	6.44	4.86	2.00	3.43	5.30A	3.43E	1.06 B	7
8	0.4828	0.3868	0.3898	0.7818	12.8	6.18	5.97	2.20	3.51	5.06	3.31E	1.03 B	8
9	0.4798	0.3838	0.3928	0.9038	12.2	5.80	5.53	2.29	3.60	4.96	3.23E	1.00 B	9
10	0.4768	0.3838	0.3958	1.02 B	11.6	5.57	5.85	2.07	3.66	4.82A	3.03E	0.9748	10
11	0.4738	0.3838	0.3988	1.11 B	11.1	5.40	5.85	2.18	3.48	4.72	2.94B	0.9498	11
12	0.4708	0.3808	0.4048	1.15 B	10.5	5.52	5.83	2.17	3.78	4.67	2.77B	0.9248	12
13	0.4678	0.3808	0.4078	1.28 B	10.2	5.50	5.63	2.39	4.77	4.68A	2.63B	0.8988	13
14	0.4648	0.3798	0.4108	1.64 B	9.61	5.20	5.31	2.60	4.59	4.74	2.43B	0.8738	14
15	0.4618	0.3798	0.4168	2.13 B	9.30	4.78	5.71	3.46	4.25	4.61	2.31B	0.8448	15
16	0.4588	0.3798	0.4258	2.94 B	8.96	4.39	6.16	3.37	4.01	4.50	2.13B	0.8278	16
17	0.4528	0.3798	0.4318	4.77 B	8.34	4.65	7.55	3.29	3.94	4.50A	2.03B	0.8068	17
18	0.4498	0.3778	0.4408	6.24 B	7.93	5.40	6.92	3.28	4.34	4.47	1.90B	0.7858	18
19	0.4468	0.3778	0.4468	7.44 B	7.61	5.27	6.36	3.30	4.16	4.43	1.83B	0.7648	19
20	0.4438	0.3768	0.4528	8.75 B	7.20	5.01	5.95	3.17	3.87	4.32	1.75B	0.7358	20
21	0.4408	0.3748	0.4588	10.2 B	6.93	4.85	5.56	3.04	3.72	4.20A	1.68B	0.7018	21
22	0.4378	0.3748	0.4678	10.8 B	6.74	4.86	5.24	2.91	3.57	4.18	1.62B	0.6778	22
23	0.4348	0.3748	0.4768	11.2 B	6.67	5.07	4.81	2.77	4.24	4.08	1.58B	0.6898	23
24	0.4318	0.3728	0.4858	11.4 B	6.25	8.92A	4.42	2.71	4.77	4.01A	1.53B	0.6358	24
25	0.4258	0.3728	0.4978	11.7 B	5.85	9.74	3.99	2.80	4.81	4.01	1.49B	0.6208	25
26	0.4228	0.3748	0.5098	12.1 B	5.80	9.98	3.65	2.53	4.98	4.01A	1.44B	0.6028	26
27	0.4198	0.3748	0.5188	12.5 B	5.69	9.49	3.46	2.51	4.83	3.86	1.41B	0.5818	27
28	0.4168	0.3768	0.5308	12.7	5.43	8.91	3.50	2.48	4.51	3.65	1.38B	0.5638	28
29	0.4138		0.5398	12.9	5.68	8.18	3.25	2.74	4.45	3.73	1.33B	0.5458	29
30	0.4108		0.5488	13.0	6.71	7.40	2.94	3.14	4.48	3.62	1.29B	0.5308	30
31	0.4078		0.5508		6.93		2.80	3.05		3.80		0.5128	31
TOTAL	14.135	10.896	13.853	183.019	282.55	196.76	155.00	85.54	118.49	142.57	72.25	26.088	TOTAL
MEAN	0.456	0.382	0.440	5.43	9.44	6.56	5.97	2.76	3.95	4.80	2.41	0.842	MEAN
MAX	0.508	0.404	0.560	13.0	14.3	9.98	8.92	3.69	4.81	5.65	3.70	1.26	MAX
MIN	0.407	0.372	0.377	0.589	5.43	4.39	2.80	2.00	2.88	3.80	1.29	0.512	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.52
MAXIMUM DAILY, 14.3A ON MAY 5
MINIMUM DAILY, 0.3728 ON FEB 24
MAXIMUM INSTANTANEOUS,
14.8 AT 12:10 CST ON MAY 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 220	JUL	18 000
FEB	924	AUG	7 390
MAR	1 180	SEP	10 200
APR	14 100	OCT	12 300
MAY	25 300	NOV	6 240
JUN	17 000	DEC	2 250

TOTAL DISCHARGE, 114 000 dam³

TEAKO CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO 05PF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.002	0	0	0	0	0	0	0	0	1
2	0	0	0	0.002	0	0	0	0	0	0	0	0	2
3	0	0	0	0.002	0	0	0	0	0	0	0	0	3
4	0	0	0	0.006	0	0	0	0	0	0	0	0	4
5	0	0	0	0.012	0	0	0	0	0	0	0	0	5
6	0	0	0	0.021	0	0	0	0	0	0	0	0	6
7	0	0	0	0.014	0	0	0	0	0	0	0	0	7
8	0	0	0	0.012	0	0	0	0	0	0	0	0	8
9	0	0	0	0.009	0	0	0	0	0	0	0	0	9
10	0	0	0	0.007	0	0	0	0	0	0	0	0	10
11	0	0	0	0.019	0	0	0	0	0	0	0	0	11
12	0	0	0	0.006	0	0	0	0	0	0	0	0	12
13	0	0	0	0.004	0	0	0	0	0	0	0	0	13
14	0	0	0	0.003	0	0	0	0	0	0	0	0	14
15	0	0	0	0.003	0	0	0	0	0	0	0	0	15
16	0	0	0	0.003	0	0	0	0	0	0	0	0	16
17	0	0	0	0.003	0	0	0	0	0	0	0	0	17
18	0	0	0	0.002	0	0	0	0	0	0	0	0	18
19	0	0	0	0.002	0	0	0	0	0	0	0	0	19
20	0	0	0	0.002	0	0	0	0	0	0	0	0	20
21	0	0	0	0.001	0.001	0	0	0	0	0	0	0	21
22	0	0	0.042	0.001	0.001	0	0	0	0	0	0	0	22
23	0	0	0.032	0.001	0	0	0	0	0	0	0	0	23
24	0	0	0.030	0.001	0	0	0	0	0	0	0	0	24
25	0	0	0.024	0.001	0	0	0	0	0	0	0	0	25
26	0	0	0.019	0.001	0	0	0	0	0	0	0	0	26
27	0	0	0.014	0.001	0.001	0	0	0	0	0	0	0	27
28	0	0	0.010	0.001	0.001	0	0	0	0	0	0	0	28
29	0		0.007	0.001	0	0	0	0	0	0	0	0	29
30	0		0.004	0.001	0	0	0	0	0	0	0	0	30
31	0		0.002		0		0	0		0		0	31
TOTAL	0	0	0.184	0.143	0.004	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.006	0.005	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.042	0.021	0.001	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0.001	0	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.001
MAXIMUM DAILY 0.042 ON MAR 22
MINIMUM DAILY 0 ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 14 40 N
LONG 95 52 54 W
DRAINAGE AREA 0.52 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	15.9	SEP	0
APR	12.4	OCT	0
MAY	0.33	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE 28.7 dam³

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

NATURAL FLOW

TOBACCO CREEK NEAR ROSEBANK - STATION NO 05OF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.053B	0.024E	0	0	0	0	0	---	---	1
2	---	---	0 B	0.296B	0.020E	0	0	0	0	0	---	---	2
3	---	---	0 B	0.492B	0.015E	0	0	0	0	0	---	---	3
4	---	---	0 B	0.621B	0.012E	0	0	0	0	0	---	---	4
5	---	---	0 B	2.15 B	0.008E	0	0	0	0	0	---	---	5
6	---	---	0 B	3.20 B	0.004A	0	0	0	0	0	---	---	6
7	---	---	0 B	2.41 B	0.004	0	0	0	0	0	---	---	7
8	---	---	0 B	1.70	0.004	0	0	0	0	0	---	---	8
9	---	---	0 B	1.13	0.003	0	0	0	0	0	---	---	9
10	---	---	0 B	0.787	0.003	0	0	0	0	0	---	---	10
11	---	---	0 B	0.584	0.002	0	0	0	0	0	---	---	11
12	---	---	0 B	0.411	0.002	0	0	0	0	0	---	---	12
13	---	---	0 B	0.323	0.002	0	0	0	0	0	---	---	13
14	---	---	0 B	0.275	0.002	0	0	0	0	0	---	---	14
15	---	---	0 B	0.212	0.002	0	0	0	0	0	---	---	15
16	---	---	0 B	0.185	0.005	0	0	0	0	0	---	---	16
17	---	---	0 B	0.142	0.004	0	0	0	0	0	---	---	17
18	---	---	0 B	0.120	0.003	0	0	0	0	0	---	---	18
19	---	---	0 B	0.104	0.002	0	0	0	0	0	---	---	19
20	---	---	0.100B	0.075	0.001	0	0	0	0	0	---	---	20
21	---	---	0.200B	0.063A	0.005	0	0	0	0	0	---	---	21
22	---	---	0.400B	0.059E	0.002	0	0	0	0	0	---	---	22
23	---	---	0.569B	0.056E	0.001	0	0	0	0	0	---	---	23
24	---	---	0.557B	0.051E	0	0	0	0	0	0	---	---	24
25	---	---	0.552B	0.047E	0	0	0	0	0	0	---	---	25
26	---	---	0.543B	0.043E	0	0	0	0	0	0	---	---	26
27	---	---	0.372B	0.038E	0.002	0	0	0	0	0	---	---	27
28	---	---	0.246B	0.035E	0.002	0	0	0	0	0	---	---	28
29	---		0.157B	0.032E	0.001	0	0	0	0	0	---	---	29
30	---		0.073B	0.028E	0	0	0	0	0	0	---	---	30
31	---		0.040B		0		0	0		0		---	31
TOTAL	---	---	3.829	15.733	0.136	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.124	0.524	0.004	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.569	3.20	0.024	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.028	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.080
MAXIMUM DAILY 3.20B ON APR 6
MINIMUM DAILY 0B ON MAR 1
MAXIMUM INSTANTANEOUS
3.438 AT 08:49 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 00 N
LONG 96 09 45 W
DRAINAGE AREA 108 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	331	SEP	0
APR	1 380	OCT	0
MAY	11.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE 1 700 dam³

TOUROND CREEK NEAR TOURONDE - STATION NO 05QE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.018	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.014	0	0	0	0	0	---	---	2
3	---	---	0B	0.0018	0.012	0	0	0	0	0	---	---	3
4	---	---	0B	0.0018	0.010	0	0	0	0	0	---	---	4
5	---	---	0B	0.0308	0.007	0	0	0	0	0	---	---	5
6	---	---	0B	1.00 B	0.005	0	0	0	0	0	---	---	6
7	---	---	0B	3.00 B	0.005	0	0	0	0	0	---	---	7
8	---	---	0B	3.27 B	0.004	0	0	0	0	0	---	---	8
9	---	---	0B	2.88	0.004	0	0	0	0	0	---	---	9
10	---	---	0B	2.44	0.003	0	0	0	0	0	---	---	10
11	---	---	0B	1.77	0.002	0	0		0	0	---	---	11
12	---	---	0B	1.38	0	0	0	0	0	0	---	---	12
13	---	---	0B	1.15	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.944	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.640	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.480	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.334	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.260	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.202	0	0	0.015E	0	0	0	---	---	19
20	---	---	0B	0.158	0	0	0.005E	0	0	0	---	---	20
21	---	---	0B	0.126	0	0	0.005E	0	0	0	---	---	21
22	---	---	0B	0.106	0	0	0.010E	0	0.005E	0	---	---	22
23	---	---	0B	0.084	0	0	0.015E	0	0.003E	0	---	---	23
24	---	---	0B	0.076	0	0	0.010E	0	0	0	---	---	24
25	---	---	0B	0.065	0	0	0.007E	0	0	0	---	---	25
26	---	---	0B	0.055	0	0	0.003E	0	0	0	---	---	26
27	---	---	0B	0.048	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.039	0	0	0	0	0	0	---	---	28
29	---		0B	0.031	0	0	0	0	0	0	---	---	29
30	---		0B	0.026	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0	---	---	31
TOTAL	---	---	0	19.535	0.084	0	0.070	0	0.008	E	---	---	TOTAL
MEAN	---	---	0	0.651	0.003	0	0.002	0	0	0	---	---	MEAN
MAX	---	---	0	3.27	0.018	0	0.015	B	0.005	0	---	---	MAX
MIN	---	---	0	0	0	0	0	B	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 060
MAXIMUM DAILY, 3.270 ON APR 8
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 98 58 50 W
DRAINAGE AREA, 199 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 05
FEB	---	AUG	0
MAR	0	SEP	0 68
APR	1 690	OCT	0
MAY	7 26	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 700 dam³

TRURO CREEK AT WESTERN AIRPORT BOUNDARY - STATION NO 05MJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0E	0E	0 E	0 001	0	0	0	---	1
2	---	---	0B	0 B	0E	0E	0 E	0	0	0	0	---	2
3	---	---	0B	0 B	0E	0E	0 E	0 E	0	0	0	---	3
4	---	---	0B	0 B	0E	0E	0 E	0 E	0	0	0	---	4
5	---	---	0B	0 B	0E	0E	0 E	0 E	0	0	0	---	5
6	---	---	0B	0 050	0E	0E	0 E	0 E	0	0	0	---	6
7	---	---	0B	0 100	0E	0E	0	0 E	0	0	0	---	7
8	---	---	0B	0 150	0E	0E	0	0 E	0	0	0	---	8
9	---	---	0B	0 218A	0E	0E	0 E	0 E	0	0	0	---	9
10	---	---	0B	0 181	0E	0E	0 E	0 E	0	0	0	---	10
11	---	---	0B	0 146	0E	0E	0 E	0 001A	0	B	---	---	11
12	---	---	0B	0 111	0E	0E	0 E	0 001	0	0	---	---	12
13	---	---	0B	0 076	0A	0E	0 E	0	0	B	---	---	13
14	---	---	0B	0 041	0E	0E	0 E	0 084A	0	0	---	---	14
15	---	---	0B	0 036	0E	0E	0 E	0 333	0	B	---	---	15
16	---	---	0B	0 031	0E	0E	0 E	0 012	0	B	---	---	16
17	---	---	0B	0 026	0E	0E	0 E	0 010	0	B	---	---	17
18	---	---	0B	0 022	0E	0E	0 E	0 007	0	0	---	---	18
19	---	---	0B	0 017	0E	0E	0 002A	0 004	0	B	---	---	19
20	---	---	0B	0 012	0E	0E	0 001	0 002A	0	J	---	---	20
21	---	---	0B	0 007E	0E	0E	0 E	0 002	0	0	---	---	21
22	---	---	0B	0 002A	0E	0E	0 E	0 001	0	0	---	---	22
23	---	---	0B	0 002E	0E	0E	0 E	0 001	0	0	---	---	23
24	---	---	0B	0 002E	0E	0E	0 E	0	0	B	---	---	24
25	---	---	0B	0 002E	0E	0E	0 E	0	0	B	---	---	25
26	---	---	0B	0 002E	0E	0E	0 E	0	0	B	---	---	26
27	---	---	0B	0 002E	0E	0E	0 E	0	0	0	---	---	27
28	---	---	0B	0 001E	0E	0E	0 E	0	0	B	---	---	28
29	---		0B	0 001E	0E	0E	0 E	0	0	B	---	---	29
30	---		0B	0 A	0E	0E	0 E	0	0	C	---	---	30
31	---		0B		0E		0 007A	0		B		---	31
TOTAL	---	---	0	1 236	0	0	0 010	0 469	0	B	---	---	TOTAL
MEAN	---	---	0	0 041	0	B	0	0 015	B	0	---	---	MEAN
MAX	---	---	0	0 218	0	0	0 007	0 333	0	E	---	---	MAX
MIN	---	---	0	0	0	B	0	0	0	E	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 007
MAXIMUM DAILY, 0 333 ON AUG 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 34 N
LONG 97 15 50 W
DRAINAGE AREA, 11 4 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0 86
FEB	---	AUG	40 5
MAR	0	SEP	0
APR	107	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 148 dam³

TRURO CREEK NEAR ASSINIBOINE GOLF COURSE - STATION NO. 05MJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.8998	0 E	0.002	0.038E	0.005	0.002	0.010	---	---	1
2	---	---	0 B	0.8148	0 E	0.001	0.008E	0	0.001	0.010	---	---	2
3	---	---	0 B	1.02 B	0 E	0.001	0.003E	0	0.001	0.008	---	---	3
4	---	---	0 B	1.37 B	0 E	0.001	0.002E	0	0.001	0.028	---	---	4
5	---	---	0 B	1.42 B	0 E	0.001	0.001E	0	0.001	0.185	---	---	5
6	---	---	0 B	0.999A	0 E	0.002	0.055E	0	0.001	0.035	---	---	6
7	---	---	0 B	0.871E	0 E	0.001	0.008A	0	0.001	0.012	---	---	7
8	---	---	0 B	0.744E	0 E	0.001	0.001	0	0.001	0.010	---	---	8
9	---	---	0 B	0.815E	0 E	0.001	0.001	0	0.001	0.013	---	---	9
10	---	---	0 B	0.488E	0 E	0.045	0.383	0.083	0.001	0.011	---	---	10
11	---	---	0 B	0.380E	0 E	0.081	0.006	0.089	0.004	0.008	---	---	11
12	---	---	0 B	0.233E	0 E	0.003	0.001	0.001	0.010	0.006	---	---	12
13	---	---	0 B	0.105A	0 A	0.001	0	0.001	0.012	0.004	---	---	13
14	---	---	0 B	0.089A	0 E	0.001	0	0.382	0.008	0.003	---	---	14
15	---	---	0 B	0.049	0 A	0.001	0	1.15	0.004	0.002	---	---	15
16	---	---	0 B	0.037	0.007	0.001	0	0.088	0.003	0.001	---	---	16
17	---	---	0 B	0.022	0.003	0.103	0	0.009	0.003	0.001	---	---	17
18	---	---	0.0028	0.015	0.001	0.007	0.001	0.003	0.003	0.001	---	---	18
19	---	---	0.0089	0.012	0.001	0.010A	0.882	0.002	0.003	0.001	---	---	19
20	---	---	0.1178	0.008A	0.002	0 E	0.016	0.001	0.003	0.001	---	---	20
21	---	---	0.8198	0.004E	0.022	0.070E	0.001	0.001	0.003	0.001	---	---	21
22	---	---	0.3258	0.003A	0.003	0.011E	0.043	0.001	0.002	0.001	---	---	22
23	---	---	0.5898	0.002E	0.001	0.001E	0.004	0.001	0.002	0.003	---	---	23
24	---	---	0.5398	0.001E	0.001	0.001E	0	0.001	0.005	0.011	---	---	24
25	---	---	0.1498	0 E	0.001	0.002E	0	0.002	0.003	0.008	---	---	25
26	---	---	0.1488	0 E	0.005	0.001E	0	0.001	0.003	0.012	---	---	26
27	---	---	0.3558	0 E	0.038	0.004E	0	0.001	0.002	0.006	---	---	27
28	---	---	0.5638	0 E	0.008	0.001E	0	0.001	0.043	0.002	---	---	28
29	---		0.7728	0 E	0.003	0.001E	0	0.001	0.038	0.002	---	---	29
30	---		0.8808	0 E	0.001	0.001E	0	0.008	0.012	0.001A	---	---	30
31	---		0.9248		0.001		0.387	0.003		0.001E		---	31
TOTAL	---	---	8.083	10.127	0.099	0.337	1.956	1.795	0.175	0.387	---	---	TOTAL
MEAN	---	---	0.196	0.338	0.003	0.011	0.050	0.058	0.006	0.012	---	---	MEAN
MAX	---	---	0.880	1.42	0.038	0.103	0.882	1.15	0.043	0.185	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 1.428 ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 18 N
LONG 97 13 40 W
DRAINAGE AREA, 18.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	134
FEB	---	AUG	155
MAR	534	SEP	15.1
APR	675	OCT	31.7
MAY	6.55	NOV	---
JUN	29.1	DEC	---

TOTAL DISCHARGE, 1 770 dam³

TURTLE RIVER ABOVE STE. ROSE DU LAC DAM - STATION NO. 05LJ810

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	284.848E	284.826E	284.838E	---	282.501	282.431	---	284.815E	284.787E	284.823E	284.863E	284.829	
2	284.848E	284.828	284.838	---	282.478E	282.411E	---	284.819E	284.792	284.823	284.863	284.826E	2
3	284.848E	284.829E	284.842E	---	282.481	282.391	---	284.822	284.782E	284.826E	284.863E	284.822E	3
4	284.848E	284.831E	284.848E	---	282.471	282.384E	---	284.817E	284.782	284.830E	284.863	284.819	4
5	284.848E	284.832E	284.850	---	282.471E	282.378E	---	284.812	284.782E	284.833	284.858E	284.822E	5
6	284.848	284.834E	284.858E	---	282.471	282.371	---	284.812E	284.782E	284.838E	284.863	284.824E	6
7	284.848E	284.839E	284.868E	---	282.479	282.371E	---	284.812E	284.792	284.843	284.858E	284.827E	7
8	284.848E	284.837E	284.873E	---	282.481	282.371	284.833	284.812E	284.782E	284.848E	284.860E	284.829	8
9	284.848E	284.838	284.880	---	282.481E	282.371E	284.822E	284.812E	284.792	284.853	284.863	284.829E	9
10	284.848E	284.839E	284.880E	---	282.481E	282.371	284.812	284.812	284.798E	284.853E	284.863E	284.829E	10
11	284.848E	284.841E	284.880E	---	282.481	282.421E	284.819E	284.812E	284.800E	284.853E	284.863	284.829E	11
12	284.848	284.842E	284.880E	---	282.481E	282.471	284.825E	284.812	284.804E	284.853	284.863E	284.829	12
13	284.846E	284.844E	284.880E	---	282.481	282.804E	284.832	284.812E	284.808E	284.853E	284.863	284.829E	13
14	284.844E	284.845E	284.880E	282.881	282.458E	283.138E	284.827E	284.812	284.812	284.853	284.860E	284.829E	14
15	284.841E	284.847E	284.880E	282.815E	282.451	283.471	284.832	284.818E	284.817E	284.853E	284.858E	284.829	15
16	284.839E	284.848	284.880	282.771	282.448E	283.821E	284.822E	284.819E	284.822	284.853	284.853	284.829E	16
17	284.837E	284.847E	284.881E	282.746E	282.444E	283.771	284.832E	284.822	284.822E	284.850E	284.848E	284.829E	17
18	284.835E	284.845E	284.883E	282.721E	282.441	---	284.822	284.842	284.822	284.848E	284.843	284.829	18
19	284.832E	284.844E	284.884E	282.698E	282.438E	---	284.827E	284.832	284.829E	284.843	284.828E	284.829E	19
20	284.830E	284.842E	284.885E	282.671	282.431	---	284.832	284.827E	284.835E	284.843E	284.813	284.829E	20
21	284.828	284.841E	284.887E	282.631E	282.431E	---	284.837E	284.822	284.842	284.843	284.816E	284.829	21
22	284.828E	284.839E	284.889E	282.591	282.431	---	284.842	284.822E	284.842E	284.848E	284.820E	284.828E	22
23	284.828E	284.838	284.890	282.576E	282.431E	---	284.842E	284.822E	284.842	284.853	284.823	284.829E	23
24	284.828E	284.838E	284.887	282.561	282.431E	---	284.842	284.822	284.832E	284.853E	284.823	284.829	24
25	284.828E	284.838E	284.730E	282.548E	282.431	---	284.836E	284.822E	284.822	284.853E	284.822E	284.827E	25
26	284.828E	284.836E	284.573E	282.534E	282.448E	---	284.829E	284.822	284.822E	284.853	284.820E	284.825E	26
27	284.828	284.838E	284.418E	282.521	282.481	---	284.822	284.817E	284.822E	284.858E	284.819	284.823E	27
28	284.828	284.838E	284.288E	282.511E	282.495E	---	284.822E	284.812	284.822	284.863	284.822E	284.821E	28
29	284.828E		284.101E	282.501	282.448E	---	284.822	284.808E	284.826	284.863E	284.824E	284.819	29
30	284.828E		283.944E	282.501E	282.443E	---	284.817E	284.805E	284.823	284.863	284.827E	284.819E	30
31	284.828E		283.787		282.437E		284.813	284.802		284.863E		284.819	31
MEAN	284.838	284.839	284.734	---	282.483	---	---	284.817	284.813	284.848	284.844	284.826	MEAN
MAX	284.848	284.848	284.890	---	282.501	---	---	284.842	284.842	284.863	284.863	284.829	MAX
MIN	284.828	284.828	283.787	---	282.431	---	---	284.802	284.782	284.823	284.813	284.819	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 03 00 N
LONG 99 31 46 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1965

DRAINAGE AREA,
1 110 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3868	1.208	1.25	0.814	0.272	0.195	0.123	0.190	---	---	1
2	---	---	0.3268	1.088	1.18	0.733	0.332	0.178	0.123	0.185	---	---	2
3	---	---	0.3198	1.708	1.11	0.716	0.387	0.150	0.137	0.206	---	---	3
4	---	---	0.3458	3.438	1.06	0.679	0.332	0.128	0.121	0.220	---	---	4
5	---	---	0.3858	5.488	1.01	0.630	0.285	0.141	0.108	0.310	---	---	5
6	---	---	0.4738	12.7 B	0.938	0.586	0.289	0.265	0.113	0.438	---	---	6
7	---	---	0.4468	24.2 B	0.898	0.527	0.324	0.269	0.100	0.422	---	---	7
8	---	---	0.4248	23.5 B	0.853	0.544	0.286	0.198	0.095	0.408	---	---	8
9	---	---	0.5188	20.8 B	0.783	0.482	0.238	0.150	0.095	0.427	---	---	9
10	---	---	0.6068	18.3	0.746	0.454	0.238	0.149	0.101	0.428	---	---	10
11	---	---	0.8328	11.3	0.715	0.508	0.254	0.226	0.135	0.404	---	---	11
12	---	---	0.5468	9.69	0.688	0.804	0.329	0.216	0.182	0.403	---	---	12
13	---	---	0.4778	8.40	0.650	0.443	0.324	0.183	0.177	0.408	---	---	13
14	---	---	0.4448	7.45	0.671	0.402	0.388	0.166	0.161	0.437	---	---	14
15	---	---	0.3798	6.90	0.625	0.372	0.364	0.289	0.151	0.443	---	---	15
16	---	---	0.3538	6.45	0.592	0.338	0.319	0.383	0.131	0.410	---	---	16
17	---	---	0.3478	5.70	0.580	0.492	0.284	0.370	0.207	0.378	---	---	17
18	---	---	0.3838	4.81	0.573	0.581	0.316	0.358	0.388	0.350	---	---	18
19	---	---	0.4068	4.05	0.578	0.384	0.535	0.288	0.514	0.335	---	---	19
20	---	---	0.4778	3.45	0.577	0.301	0.857	0.226	0.470	0.352	---	---	20
21	---	---	0.5808	3.02	0.582	0.294	0.804	0.199	0.385	0.352	---	---	21
22	---	---	0.7218	2.67	0.557	0.333	0.828	0.190	0.285	0.384	---	---	22
23	---	---	1.02 B	2.40	0.544	0.298	0.488	0.178	0.228	0.378	---	---	23
24	---	---	1.54 B	2.14	0.531	0.343	0.371	0.156	0.217	0.374	---	---	24
25	---	---	2.69 B	2.05	0.528	0.310	0.290	0.145	0.238	0.347	---	---	25
26	---	---	4.53 B	1.92	0.517	0.295	0.250	0.141	0.226	0.406	---	---	26
27	---	---	3.36 B	1.70	0.536	0.288	0.221	0.133	0.207	0.512	---	---	27
28	---	---	2.89 B	1.48	0.683	0.305	0.199	0.151	0.204	0.530	---	---	28
29	---		2.10 B	1.37	1.15	0.302	0.172	0.138	0.184	0.491	---	---	29
30	---		1.66 B	1.27	1.42	0.280	0.173	0.128	0.177	0.486	---	---	30
31	---		1.39 B		1.05		0.188	0.120		0.449		---	31
TOTAL	---	---	31.114	200.80	24.178	13.483	10.484	5.241	5.919	11.814	---	---	TOTAL
MEAN	---	---	1.00	6.69	0.780	0.449	0.338	0.201	0.197	0.381	---	---	MEAN
MAX	---	---	4.53	24.2	1.42	0.814	0.857	0.370	0.514	0.530	---	---	MAX
MIN	---	---	0.319	1.08	0.517	0.280	0.188	0.120	0.095	0.185	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.24
MAXIMUM DAILY, 24.28 ON APR 7
MINIMUM DAILY, 0.095 ON SEP 8
MAXIMUM INSTANTANEOUS,
25.58 AT 03:26 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 40 N
LONG 99 31 15 W
DRAINAGE AREA, 978 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	906
FEB	---	AUG	539
MAR	2 680	SEP	511
APR	17 300	OCT	1 020
MAY	2 090	NOV	---
JUN	1 180	DEC	---

TOTAL DISCHARGE, 25 200 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05NG016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.247	0.018	0.001	0	0.005	0	0	---	---	1
2	---	---	0 B	0.152	0.014	0.001	0	0.001	0	0	---	---	2
3	---	---	0 B	0.284	0.012	0.001	0	0.001	0	0	---	---	3
4	---	---	0 B	0.439	0.016	0.001	0	0	0	0	---	---	4
5	---	---	0.0028	0.442	0.013	0.001	0	0	0	0	---	---	5
6	---	---	0.0078	0.388	0.008	0.001	0	0	0	0	---	---	6
7	---	---	0.0188	0.389	0.006	0.001	0	0	0	0	---	---	7
8	---	---	0.0108	0.541	0.005	0.001	0	0	0	0	---	---	8
9	---	---	0.0218	0.710	0.003	0.001	0	0	0	0	---	---	9
10	---	---	0.0728	0.723	0.002	0.001	0	0	0	0	---	---	10
11	---	---	0.1488	0.629	0.002	0.001	0	0	0	0	---	---	11
12	---	---	0.0238	0.647	0.002	0.001	0	0	0	0	---	---	12
13	---	---	0.0118	0.461	0.002	0	0	0	0	0	---	---	13
14	---	---	0.0298	0.388	0.001	0	0	0	0	0	---	---	14
15	---	---	0.0348	0.377	0.001	0	0	0.003	0	0	---	---	15
16	---	---	0.0308	0.381	0.003	0	0	0.001	0	0	---	---	16
17	---	---	0.0258	0.322	0.003	0	0	0.001	0	0	---	---	17
18	---	---	0.0208	0.338	0.004	0	0	0.001	0	0	---	---	18
19	---	---	0.0168	0.269	0.002	0	0	0.001	0	0	---	---	19
20	---	---	0.0388	0.190	0.001	0	0.005	0.001	0	0	---	---	20
21	---	---	1.56 B	0.141	0.001	0	0.001	0.001	0	0	---	---	21
22	---	---	0.9818	0.110	0.001	0	0.001	0	0	0	---	---	22
23	---	---	0.4108	0.079	0.001	0	0.001	0	0	0	---	---	23
24	---	---	0.2808	0.065	0.001	0	0	0	0	0	---	---	24
25	---	---	0.2058	0.052	0.001	0	0	0	0	0	---	---	25
26	---	---	0.1738	0.044	0.001	0	0	0	0	0	---	---	26
27	---	---	0.1598	0.037	0.001	0	0	0	0	0	---	---	27
28	---	---	0.0878	0.032	0.001	0	0	0	0	0	---	---	28
29	---		0.0458	0.026	0.001	0	0	0	0	0	---	---	29
30	---		0.0618	0.020	0.001	0	0.002	0	0	0.001	---	---	30
31	---		0.118		0.001		0.001	0		0.001	---	---	31
TOTAL	---	---	4.570	8.757	0.128	0.012	0.012	0.017	0	0.003	---	---	TOTAL
MEAN	---	---	0.147	0.292	0.004	0	0	0.001	0	0	---	---	MEAN
MAX	---	---	1.56	0.723	0.018	0.001	0.005	0.005	0	0.001	---	---	MAX
MIN	---	---	0	0.020	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.065
MAXIMUM DAILY, 1.560 ON MAR 21
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.940 AT 20:14 CST ON MAR 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 59 N
LONG 100 23 57 W
DRAINAGE AREA, 75.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 04
FEB	---	AUG	1 47
MAR	395	SEP	0
APR	757	OCT	0 26
MAY	11 1	NOV	---
JUN	1 04	DEC	---

TOTAL DISCHARGE, 1 170 dam³

UPPER GRANDVIEW RESERVOIR NEAR MERRIDALE - STATION NO. 05LJ811

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	624.130	623.980	623.846	623.695	624.762	624.657	624.388	624.328	624.227	624.233	624.183	624.072	1
2	624.124	623.977	623.843	623.696	624.736	624.675	624.386	624.318	624.215	624.200	624.172	624.069	2
3	624.118	623.971	623.840	623.901	624.730	624.672	624.383	624.313	624.218	624.194	624.169	624.069	3
4	624.112	623.965	623.837	623.907	624.724	624.680	624.380	624.300	624.218	624.200	624.178	624.068	4
5	624.106	623.959	623.825	623.929	624.712	624.645	624.380	624.300	624.212	624.206	624.163	624.057	5
6	624.105	623.953	623.825	623.971	624.694	624.635	624.386	624.328	624.212	624.188	624.160	624.057	6
7	624.096	623.950	623.822	624.038	624.678	624.624	624.395	624.328	624.203	624.182	624.157	624.054	7
8	624.093	623.944	623.822	624.115	624.660	624.605	624.389	624.331	624.197	624.191	624.154	624.051	8
9	624.087	623.941	623.818	624.200	624.642	624.584	624.392	624.322	624.194	624.185	624.151	624.048	9
10	624.081	623.936	623.810	624.279	624.624	624.572	624.395	624.313	624.194	624.189	624.145	624.048	10
11	624.078	623.932	623.804	624.334	624.593	624.563	624.389	624.316	624.191	624.189	624.145	624.044	11
12	624.075	623.926	623.801	624.389	624.587	624.544	624.380	624.310	624.188	624.186	624.142	624.038	12
13	624.069	623.923	623.801	624.438	624.583	624.532	624.374	624.300	624.185	624.176	624.136	624.032	13
14	624.063	623.913	623.798	624.483	624.554	624.505	624.374	624.297	624.182	624.180	624.136	624.029	14
15	624.057	623.907	623.801	624.532	624.554	624.483	624.385	624.300	624.179	624.148	624.139	624.023	15
16	624.051	623.904	623.801	624.575	624.554	624.471	624.388	624.304	624.185	624.154	624.138	624.017	16
17	624.044	623.898	623.801	624.611	624.550	624.477	624.381	624.297	624.212	624.160	624.130	624.014	17
18	624.041	623.892	623.816	624.645	624.557	624.462	624.352	624.294	624.221	624.188	624.127	624.008	18
19	624.041	623.886	623.828	624.685	624.572	624.447	624.361	624.285	624.221	624.166	624.124	624.002	19
20	624.038	623.880	623.831	624.712	624.572	624.435	624.361	624.276	624.224	624.163	624.118	623.999	20
21	624.038	623.877	623.840	624.706	624.566	624.429	624.361	624.279	624.224	624.154	624.115	623.996	21
22	624.032	623.871	623.845	624.736	624.566	624.429	624.361	624.273	624.227	624.157	624.115	623.990	22
23	624.029	623.868	623.856	624.745	624.569	624.429	624.368	624.284	624.227	624.157	624.112	623.987	23
24	624.026	623.862	623.865	624.752	624.569	624.425	624.365	624.258	624.227	624.157	624.105	623.980	24
25	624.020	623.859	623.871	624.770	624.572	624.419	624.361	624.252	624.227	624.157	624.099	623.977	25
26	624.011	623.856	623.874	624.782	624.575	624.413	624.352	624.249	624.224	624.163	624.096	623.964	26
27	624.008	623.846	623.883	624.787	624.590	624.407	624.346	624.246	624.227	624.166	624.090	623.962	27
28	624.002	623.846	623.886	624.773	624.605	624.401	624.343	624.237	624.227	624.163	624.087	623.959	28
29	623.998		623.886	624.756	624.611	624.395	624.337	624.243	624.221	624.166	624.084	623.956	29
30	623.993		623.889	624.749	624.611	624.380	624.331	624.240	624.212	624.166	624.078	623.950	30
31	623.987		623.892		624.633		624.328	624.233		624.166		623.947	31
MEAN	624.057	623.911	623.837	624.436	624.615	624.513	624.369	624.288	624.211	624.173	624.131	624.015	MEAN
MAX	624.130	623.980	623.892	624.782	624.762	624.675	624.395	624.331	624.227	624.233	624.178	624.072	MAX
MIN	623.987	623.846	623.798	623.695	624.550	624.380	624.328	624.233	624.179	624.148	624.078	623.947	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 624.214
MAXIMUM DAILY, 624.782 ON APR 26
MINIMUM DAILY, 623.798 ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 51 N
LONG 101 02 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED SINCE 1954

DRAINAGE AREA,
528 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

VALLEY RIVER ABOVE GILBERT PLAINS DAM - STATION NO. 05LJ812

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	381.299E	---	380.278	379.728	380.238	380.838	380.781E	380.331E	380.785E	380.951E	381.256	1
2	---	381.302E	---	---	379.725E	379.928E	380.833E	380.778E	380.288	380.783E	380.966	381.258E	2
3	---	381.305E	---	---	379.721E	379.618	380.828	380.768	380.198	380.781E	380.968E	381.258	3
4	---	381.308	381.318	---	379.718	379.863E	380.828E	380.768E	380.228E	380.760E	380.966	381.254E	4
5	---	381.308E	---	---	379.718E	380.108	380.828E	380.768	380.258E	380.778	380.968E	381.249E	5
6	---	381.308E	---	---	379.718	380.381E	380.828	380.768E	380.288E	380.783E	380.986	381.245E	6
7	381.348	381.308E	---	---	379.713E	380.615E	380.823E	380.768	380.318	380.788	380.985E	381.240E	7
8	---	381.308E	---	380.088	379.708	380.868	380.818	380.771E	---	380.806	380.981E	381.238E	8
9	---	381.308E	---	379.838	379.708E	380.873E	380.818E	380.776E	---	380.788	380.956	381.231E	9
10	---	381.308E	---	---	379.708E	380.878	380.818	380.778	---	380.825E	380.956	381.227	10
11	---	381.308	381.218	---	379.708	380.878E	380.818E	380.773E	---	380.861E	381.218	381.227E	11
12	---	381.308E	---	---	380.303E	380.878	380.818E	380.768	---	380.898	381.238	381.227E	12
13	---	381.308E	---	---	380.898	380.878E	380.818	380.713E	---	380.943E	381.218	381.227E	13
14	381.258	381.308E	---	---	380.898E	380.871E	380.818E	380.858	---	380.988	381.218E	381.227E	14
15	---	381.308E	---	379.788	380.898	380.868	380.818	380.898E	---	380.988E	381.218E	381.227	15
16	---	381.308E	---	379.743E	380.901E	380.858E	380.818E	380.738E	---	380.988	381.218	381.231E	16
17	---	381.308E	---	379.718	380.905E	380.848	380.818	380.778	380.318	380.991E	381.218E	38.238E	17
18	---	381.308	381.528	379.718E	380.908	380.843E	380.818E	380.768	380.353E	380.995E	381.218	381.240E	18
19	---	381.305E	---	379.718E	380.878E	380.848	380.818E	380.758	380.368E	380.998	381.243E	381.245E	19
20	---	381.302E	---	379.718	380.848	380.841E	380.818	380.763E	380.423E	380.988E	381.268	381.249E	20
21	---	381.298E	---	379.703E	380.593E	380.838E	380.828E	380.768	380.458	380.978	3a1.267E	381.254E	21
22	---	381.297E	---	379.668	380.338	380.828	380.838	380.748E	380.823E	380.962E	381.285E	381.256	22
23	---	381.294E	---	379.678E	380.315E	380.828E	380.833E	380.728E	380.788	380.946E	381.264E	381.258E	23
24	---	381.291E	---	379.668	380.291E	380.828	380.828	380.708	380.783E	380.930E	381.262E	381.256	24
25	---	381.288	381.438	379.661E	380.268	380.833E	380.828E	380.633E	380.778	380.914E	381.261E	381.258E	25
26	---	---	---	379.655E	380.258E	380.838	380.828E	380.558	380.781E	380.898	381.259E	381.258E	26
27	---	---	---	379.648	380.248	380.838E	380.828	380.498E	380.783E	380.898E	381.256	381.258E	27
28	381.288	---	---	379.673E	380.243E	380.838E	380.818E	380.438	380.788E	380.898	381.258E	381.258E	28
29	381.291E		---	379.696	380.238	380.838	380.808	380.428E	380.788	380.908E	381.258E	381.258E	29
30	381.294E		379.908	379.713E	380.238E	380.838E	380.798E	380.418	380.788E	380.918	381.258E	381.258E	30
31	381.297E		380.093E		380.238E		380.788	380.375E		380.935E		381.258E	31
MEAN	---	---	---	---	380.244	380.677	380.821	380.891	---	380.894	381.151	381.246	MEAN
MAX	---	---	---	---	380.908	380.878	380.838	380.781	---	380.998	381.268	381.258	MAX
MIN	---	---	---	---	379.708	379.618	380.788	380.375	---	380.778	380.951	381.227	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 09 10 N
LONG 100 29 33 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1980

DRAINAGE AREA,
2 080 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VALLEY RIVER NEAR DAUPHIN - STATION NO 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8728	1.588	5.69	0.454	0.838	0.492	0.044	0	0.353	---	1
2	---	---	0.8728	1.778	5.16	0.588	0.787	0.447	0.053	0	0.321	---	2
3	---	---	0.8728	3.918	5.79	0.626	0.729	0.370	0.043	0	0.304	---	3
4	---	---	0.8728	10.88	5.45	0.599	0.785	0.328	0.034	0.008	---	---	4
5	---	---	0.8728	35.08	5.20	0.392	0.697	0.331	0.032	0.018	---	---	5
6	---	---	0.9518	80.48	5.07	0.306	0.688	0.381	0.018	0.023	---	---	6
7	---	---	1.008	173	4.81	0.268	0.661	0.416	0.011	0.053	---	---	7
8	---	---	0.9788	131	4.53	0.230	0.640	0.378	0.001	0.184	---	---	8
9	---	---	0.8978	78.3	4.21	0.184	0.589	0.312	0	0.309	---	---	9
10	---	---	0.8578	51.0	3.92	0.147	0.611	0.293	0	0.239	---	---	10
11	---	---	0.8418	35.2	3.82	1.39	0.696	0.338	0.001	0.223	---	---	11
12	---	---	0.8368	25.2	3.48	1.54	0.703	0.251	0	0.430	---	---	12
13	---	---	0.8288	20.6	2.52	1.51	0.677	0.207	0	0.652	---	---	13
14	---	---	0.8458	17.8	2.48	1.44	0.631	0.188	0	0.736	---	---	14
15	---	---	0.8618	18.5	2.48	1.32	0.589	0.221	0	0.700	---	---	15
16	---	---	0.8448	14.3	2.38	1.21	0.500	0.238	0	0.670	---	---	16
17	---	---	0.8228	12.9	2.28	1.29	0.467	0.208	0.021	0.680	---	---	17
18	---	---	0.8628	11.8	2.13	1.11	0.471	0.170	0.023	0.690	---	---	18
19	---	---	0.7788	11.2	2.26	0.949	0.624	0.147	0.010	0.759	---	---	19
20	---	---	0.7958	10.9	2.04	0.863	0.736	0.131	0.005	0.739	---	---	20
21	---	---	1.028	10.4	1.87	0.907	0.724	0.126	0.003	0.642	---	---	21
22	---	---	1.228	9.95	1.56	0.856	0.659	0.113	0.005	0.686	---	---	22
23	---	---	1.328	9.45	1.09	0.968	0.705	0.105	0.008	0.677	---	---	23
24	---	---	1.568	8.88	1.10	0.989	1.04	0.095	0.005	0.642	---	---	24
25	---	---	1.568	8.48	0.959	0.951	0.910	0.089	0.003	0.602	---	---	25
26	---	---	1.718	7.88	0.785	0.854	0.740	0.072	0.002	0.606	---	---	26
27	---	---	1.708	7.53	0.712	0.813	0.700	0.076	0	0.527	---	---	27
28	---	---	1.628	7.29	0.698	0.805	0.795	0.089	0	0.477	---	---	28
29	---	---	1.638	8.92	0.643	0.799	0.696	0.064	0.003	0.426	---	---	29
30	---	---	1.618	8.74	0.593	0.787	0.597	0.054	0.002	0.389	---	---	30
31	---	---	1.578		0.452		0.529	0.050		0.356	---	---	31
TOTAL	---	---	33.654	826.28	87.952	25.125	21.153	8.755	0.327	13.095	---	---	TOTAL
MEAN	---	---	1.08	27.5	2.84	0.838	0.682	0.282	0.011	0.422	---	---	MEAN
MAX	---	---	1.71	173	5.69	1.54	1.04	0.492	0.053	0.759	---	---	MAX
MIN	---	---	0.776	1.58	0.452	0.147	0.487	0.050	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 4.14
MAXIMUM DAILY 173 ON APR 7
MINIMUM DAILY 0 ON SEP 9
MAXIMUM INSTANTANEOUS
185 AT 15:44 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 19 45 N
LONG 100 00 39 W
DRAINAGE AREA 2 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 630
FEB	---	AUG	584
MAR	2 920	SEP	28.3
APR	71 300	OCT	1 130
MAY	7 600	NOV	---
JUN	2 170	DEC	---

TOTAL DISCHARGE 87 600 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5818	0.4188	3.56	0.556	0.764	0.470	0.276	0.228	---	---	1
2	---	---	0.5818	0.2948	3.54	0.861	0.613	0.488	0.203	0.367	---	---	2
3	---	---	0.5748	0.3088	3.48	0.736	0.584	0.295	0.164	0.336	---	---	3
4	---	---	0.5818	0.7678	3.56	0.841	0.468	0.172	0.163	0.260	---	---	4
5	---	---	0.5958	15.98	3.81	0.824	0.424	0.213	0.182	0.433	---	---	5
6	---	---	0.6468	54.08	3.80	0.733	0.420	0.397	0.236	0.418	---	---	6
7	---	---	0.6308	44.3	3.62	0.748	0.557	0.858	0.328	0.854	---	---	7
8	---	---	0.6238	34.4	3.49	0.817	0.569	0.390	0.397	0.907	---	---	8
9	---	---	0.6028	21.2	3.28	0.884	0.622	0.235	C.478	0.940	---	---	9
10	---	---	0.5888	14.0	3.08	0.878	0.629	0.184	0.585	1.05	---	---	10
11	---	---	0.5888	9.85	2.94	0.932	0.586	0.258	0.583	1.02	---	---	11
12	---	---	0.5818	8.23	2.77	0.974	0.515	0.424	0.530	0.988	---	---	12
13	---	---	0.5888	8.89	2.70	0.981	0.708	0.488	0.440	0.948	---	---	13
14	---	---	0.5958	9.15	2.74	0.997	0.736	0.433	0.349	0.988	---	---	14
15	---	---	0.6028	9.48	2.48	0.968	0.680	0.320	0.291	0.984	---	---	15
16	---	---	0.6188	8.86	2.11	0.922	0.519	0.412	0.285	0.951	---	---	16
17	---	---	0.6558	8.43	2.54	1.09	0.346	0.534	0.312	0.883	---	---	17
18	---	---	0.6738	8.23	1.48	1.09	0.281	0.489	0.423	0.840	---	---	18
19	---	---	0.7838	8.32	1.08	1.16	0.488	0.316	0.227	0.784	---	---	19
20	---	---	0.7848	8.23	0.783	1.17	1.25	0.202	0.084	0.685	---	---	20
21	---	---	1.258	8.03	0.361	1.25	1.20	0.134	0.209	0.553A	---	---	21
22	---	---	1.138	8.06	0.301	1.20	0.891	0.187	0.281	0.434E	---	---	22
23	---	---	1.008	8.07	0.408	1.23	0.984	0.214	0.245	0.386E	---	---	23
24	---	---	1.068	8.75	0.478	1.27	1.22	0.308	0.230	0.344E	---	---	24
25	---	---	1.338	8.87	0.351	1.22	0.870	0.294	0.248	0.316E	---	---	25
26	---	---	2.358	8.93	0.282	1.20	0.525	0.241	0.306	0.278E	---	---	26
27	---	---	2.618	8.89	0.466	1.15	0.497	0.276	0.332	0.254E	---	---	27
28	---	---	2.818	8.13	0.558	0.981	0.383	0.243	0.287	0.229E	---	---	28
29	---	---	1.788	8.68	0.578	0.939	0.470	0.308	0.229	0.210E	---	---	29
30	---	---	1.178	8.83	0.596	0.960	0.289	0.363	0.279	0.201E	---	---	30
31	---	---	0.6188		0.581		0.312	0.328		0.185E	---	---	31
TOTAL	---	---	29.584	284.092	61.323	29.391	19.400	10.258	9.143	18.248	---	---	TOTAL
MEAN	---	---	0.954	9.47	1.98	0.980	0.626	0.331	0.305	0.589	---	---	MEAN
MAX	---	---	2.81	54.0	3.62	1.27	1.25	0.658	0.583	1.05	---	---	MAX
MIN	---	---	0.574	0.294	0.282	0.556	0.281	0.134	0.084	0.185	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.88
MAXIMUM DAILY 54.08 ON APR 6
MINIMUM DAILY 0.084 ON SEP 20
MAXIMUM INSTANTANEOUS
73.38 AT 20:52 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA 1 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	886
MAR	2 550	SEP	790
APR	24 500	OCT	1 580
MAY	5 300	NOV	---
JUN	2 540	DEC	---

TOTAL DISCHARGE 39 800 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO 05LJ046

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	386.634	386.237	385.900	386.232	388.378	388.148	387.845	387.088	386.547	386.856	387.859	387.878	1
2	386.629	386.226	385.891	386.247	388.385	388.135	387.521	387.053	386.550	386.868	387.898	387.883	2
3	386.612	386.213	385.875	386.273	388.361	388.118	387.489	387.014	386.552	386.878	387.933	387.851	3
4	386.608	386.199	385.871	386.334	388.361	388.106	387.460	386.979	386.549	386.882	387.951	387.835	4
5	386.602	386.186	385.863	386.814	388.361	388.091	387.434	386.946	386.547	386.905	387.986	387.818	5
6	386.584	386.175	385.863	387.104	388.354	388.078	387.407	386.926	386.545	386.937	388.008	387.805	6
7	386.584	386.163	385.863	387.852	388.354	388.058	387.392	386.900	386.543	386.983	388.034	387.786	7
8	386.585	386.151	385.862	388.655	388.345	388.034	387.371	386.871	386.541	387.034	388.050	387.787	8
9	386.584	386.133	385.854	388.735	388.342	388.007	387.348	386.838	386.539	387.079	388.069	387.773	9
10	386.543	386.124	385.867	388.738	388.337	387.984	387.333	386.809	386.536	387.116	388.086	387.765	10
11	386.541	386.114	385.865	388.686	388.332	387.966	387.325	388.793	386.538	387.155	388.088	387.760	11
12	386.532	386.098	385.864	388.657	388.330	387.940	387.324	386.757	386.538	387.193	388.081	387.751	12
13	386.510	386.083	385.865	388.626	388.327	387.915	387.322	386.725	386.539	387.231	388.080	387.744	13
14	386.499	386.074	385.859	388.606	388.320	387.888	387.318	386.705	386.545	387.267	388.074	387.733	14
15	386.490	386.067	385.854	388.598	388.310	387.861	387.302	386.682	386.543	387.304	388.072	387.721	15
16	386.474	386.049	385.848	388.593	388.298	387.835	387.280	386.665	386.551	387.333	388.071	387.707	16
17	386.456	386.031	385.846	388.579	388.289	387.828	387.256	386.638	386.568	387.357	388.060	387.694	17
18	386.438	386.019	385.845	388.561	388.279	387.802	387.225	386.616	386.644	387.382	388.052	387.682	18
19	386.429	386.008	385.846	388.541	388.275	387.778	387.215	386.591	386.728	387.406	388.048	387.669	19
20	386.412	385.990	385.845	388.510	388.265	387.757	387.248	386.564	386.788	387.430	388.027	387.658	20
21	386.399	385.981	385.862	388.487	388.249	387.736	387.265	386.586	386.824	387.456	388.016	387.642	21
22	386.382	385.965	385.890	388.465	388.238	387.711	387.270	386.563	386.833	387.481	388.004	387.622	22
23	386.367	385.954	385.917	388.451	388.227	387.706	387.277	386.562	386.828	387.507	387.992	387.607	23
24	386.352	385.944	385.957	388.434	388.213	387.689	387.277	386.563	386.807	387.532	387.976	387.592	24
25	386.338	385.929	386.003	388.424	388.198	387.678	387.264	386.563	386.804	387.568	387.960	387.577	25
26	386.326	385.921	386.047	388.414	388.187	387.654	387.245	386.562	386.814	387.605	387.947	387.556	26
27	386.310	385.913	386.097	388.403	388.172	387.633	387.216	386.584	386.829	387.642	387.933	387.538	27
28	386.295	385.905	388.130	388.394	388.170	387.609	387.193	386.568	386.839	387.694	387.920	387.518	28
29	386.279		388.157	388.380	388.167	387.585	387.183	386.568	386.846	387.746	387.908	387.503	29
30	386.265		388.186	388.381	388.165	387.562	387.137	386.561	386.853	387.796	387.894	387.485	30
31	386.250		388.208		388.156		387.111	386.555		387.821		387.461	31
MEAN	386.461	386.065	385.926	388.102	388.281	387.863	387.308	386.721	386.658	387.304	388.003	387.690	MEAN
MAX	386.634	386.237	386.208	388.739	388.378	388.148	387.845	387.088	386.853	387.821	388.086	387.878	MAX
MIN	386.250	385.905	385.845	386.232	388.156	387.562	387.111	386.555	386.536	386.856	387.859	387.461	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN 387.203
MAXIMUM DAILY, 388.739 ON APR 10
MINIMUM DAILY, 385.845 ON MAR 17
MAXIMUM INSTANTANEOUS,
388.785 AT 05:07 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

REGULATED SINCE 1979

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER NEAR DAUPHIN - STATION NO. 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.193B	2.93B	1.55	0.303	0.214	0.225	0	0.028	---	---	1
2	---	---	0.200B	3.33B	1.39	0.270	0.231	0.212	0	0.033	---	---	2
3	---	---	0.209B	11.4 B	1.28	0.289	0.222	0.193	0	0.040	---	---	3
4	---	---	0.210B	36.7 B	1.21	0.292	0.204	0.203	0	0.032	---	---	4
5	---	---	0.260B	26.0	1.11	0.290	0.203	0.215	0	0.018	---	---	5
6	---	---	0.323B	12.9	0.978	0.257	0.216	0.258	0	0.030	---	---	6
7	---	---	0.280B	6.88	0.858	0.247	0.228	0.270	0	0.045	---	---	7
8	---	---	0.244B	6.90	0.806	0.255	0.214	0.242	0	0.028	---	---	8
9	---	---	0.284B	14.1	0.716	0.287	0.194	0.200	0	0.043	---	---	9
10	---	---	0.356B	16.0	0.612	0.297	0.221	0.211	0	0.043	---	---	10
11	---	---	0.419B	12.7	0.533	0.335	0.308	0.242	0	0.031	---	---	11
12	---	---	0.541B	11.3	0.517	0.331	0.260	0.239	0	0.024	---	---	12
13	---	---	1.45 B	10.1 A	0.540	0.297	0.222	0.217	0	0.023	---	---	13
14	---	---	1.12 B	9.04A	0.483	0.283	0.199	0.208	0	0.022	---	---	14
15	---	---	0.947B	8.40A	0.452	0.233	0.184	0.237	0	0.026	---	---	15
16	---	---	0.425B	8.15	0.434	0.223	0.178	0.263	0	0.023	---	---	16
17	---	---	0.358B	7.84	0.381	0.289	0.171	0.244	0.025	0.015	---	---	17
18	---	---	0.332B	7.22	0.395	0.289	0.171	0.236	0.124	0.010	---	---	18
19	---	---	0.342B	6.42	0.166	0.206	0.302	0.226	0.078	0.001	---	---	19
20	---	---	0.446B	5.88	0.372	0.190	0.288	0.221	0.081	0.010	---	---	20
21	---	---	0.581B	4.86	0.323	0.210	0.221	0.219	0.069	0.028	---	---	21
22	---	---	0.540B	4.30A	0.306	0.211	0.207	0.211	0.015	0.013	---	---	22
23	---	---	0.422B	3.72A	0.317	0.301	0.274	0.183	0.020		---	---	23
24	---	---	0.440B	3.28A	0.299	0.281	0.254	0.136	0.039		---	---	24
25	---	---	0.523B	2.90A	0.286	0.231	0.222	0.108	0.039		---	---	25
26	---	---	0.540B	2.84	0.283	0.214	0.191	0.089	0.883	0.005	---	---	26
27	---	---	0.481B	2.63	0.323	0.218	0.201	0.085	0.039	0.015	---	---	27
28	---	---	0.438B	2.13	0.352	0.214	0.198	0.056	0.047	0.030	---	---	28
29	---		0.417B	1.88	0.350	0.207	0.194	0.048	0.015	0.026	---	---	29
30	---		0.336B	1.68	0.314	0.206	0.203	0.028	0.006	0.014	---	---	30
31	---		0.301B		0.280		0.212	0.005		0.011	---	---	31
TOTAL	---	---	56.590	252.79	18.426	7.744	6.807	5.730	0.585	0.668	---	---	TOTAL
MEAN	---	---	1.83	8.43	0.594	0.258	0.220	0.185	0.020	0.022	---	---	MEAN
MAX	---	---	5.40	36.7	1.55	0.335	0.308	0.270	0.128	0.045	---	---	MAX
MIN	---	---	0.193	1.68	0.280	0.190	0.171	0.005	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.63
MAXIMUM DAILY, 36.78 ON APR 4
MINIMUM DAILY, 0 ON SEP 1
MAXIMUM INSTANTANEOUS
50.18 AT 18:46 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 674 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1979

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	586
FEB	---	AUG	495
MAR	4 900	SEP	50.5
APR	21 800	OCT	57.7
MAY	1 590	NOV	---
JUN	669	DEC	---

TOTAL DISCHARGE, 30 200 dam³

WASKADA CREEK NEAR CRANMER - STATION NO. 05NF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1818	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.114	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.110	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.105	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.081	0	0	0	0	0	0	---	---	5
6	---	---	0.0018	0.054	0	0	0	0	0	0	---	---	6
7	---	---	0.0418	0.045	0	0	0	0	0	0	---	---	7
8	---	---	0.0828	0.044	0	0	0	0	0	0	---	---	8
9	---	---	0.1288	0.032	0	0	0	0	0	0	---	---	9
10	---	---	0.0698	0.031	0	0	0	0	0	0	---	---	10
11	---	---	0.0478	0.030	0	0	0	0	0	0	---	---	11
12	---	---	0.0158	0.035	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.025	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.021	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.018	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.017	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.015	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.014	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.011	0	0	0	0	0	0	---	---	19
20	---	---	0.3718	0.008	0	0	0	0	0	0	---	---	20
21	---	---	4.64 B	0.004	0	0	0	0	0	0	---	---	21
22	---	---	3.67 B	0.002	0	0	0	0	0	0	---	---	22
23	---	---	2.20 B	0	0	0	0	0	0	0	---	---	23
24	---	---	1.08 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.5038	0	0	0	0	0	0	0	---	---	25
26	---	---	0.4248	0	0	0	0	0	0	0	---	---	26
27	---	---	0.2828	0	0	0	0	0	0	0	---	---	27
28	---	---	0.2168	0	0	0	0	0	0	0	---	---	28
29	---		0.1528	0	0	0	0	0	0	0	---	---	29
30	---		0.1068	0	0	0	0	0	0	0	---	---	30
31	---		0.1148		0		0	0		0		---	31
TOTAL	---	---	14.158	0.986	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.457	0.033	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	4.64	0.181	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 4.648 ON MAR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.208 AT 12:31 CST ON MAR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 42 50 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 220	SEP	0
APR	88.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 310 cam³

WATERHEN LAKE AT SKOWNAN - STATION NO. 05LH008

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.107	252.128	252.156	252.173	252.213	252.193	252.119	252.040	252.015E	252.094	251.948E	251.956	1
2	252.110	252.130	252.158	252.171	252.203	252.237	252.164	252.024	251.938A	251.933	251.956E	251.961	2
3	252.111	252.127	252.156	252.170	252.193	252.213	252.101	252.056	251.892	251.943	251.968E	251.962	3
4	252.112	252.127	252.155	252.168	252.207	252.230	252.101	252.000	252.005	251.895	252.005E	251.964	4
5	252.112	252.126	252.156	252.169	252.237	252.214	253.135	252.010	251.984	252.045	251.972A	251.964	5
6	252.110	252.128	252.156	252.170	252.226	252.230	252.123	252.045	251.988	251.975	251.961	251.986	6
7	252.110	252.127	252.154	252.169	252.226	252.247	252.127	252.015	251.996	251.EE3	251.983	251.968	7
8	252.111	252.128	252.148	252.183	252.219	252.214	252.110	252.026	251.991	252.082A	251.968	251.971	8
9	252.115	252.127	252.148	252.180	252.228	252.199	252.097	252.038	251.996	252.025A	251.962	251.974	9
10	252.111	252.126	252.148	252.143	252.238	252.184	252.132	252.005	252.013	251.963	251.956	251.977	10
11	252.118	252.129	252.146	252.134	252.210	252.208	252.139	252.025	252.013	251.963	251.955	251.987	11
12	252.116	252.128	252.144	252.139	252.205	252.207	252.096	252.031	251.995	251.973	251.954	251.986	12
13	252.119	252.130	252.147	252.125	252.234	252.206	252.090	252.030	251.986	251.983	251.957	251.984	13
14	252.116	252.130	252.143	252.127	252.222	252.194	252.091	252.010	251.995	251.965	251.959	251.978	14
15	252.117	252.132	252.145	252.136	252.205	252.185	252.080	252.031	251.983	251.974	251.972	251.973	15
16	252.116	252.134	252.143	252.148	252.228	252.146	252.110	252.058	252.005	251.971	251.967	251.972	16
17	252.115	252.136	252.141	252.155	252.208	252.176	252.105	252.012	252.049	251.EE3	251.984	251.976	17
18	252.118	252.139	252.165	252.162	252.185	252.174	252.105	252.025	252.040	251.EE3	251.988	251.978	18
19	252.120	252.137	252.164	252.167	252.185	252.182	252.106	252.014	252.016	252.001	251.981	251.976	19
20	252.121	252.137	252.165	252.165	252.246	252.185	252.086	252.010	252.010	252.045A	251.954	251.976	20
21	252.127	252.141	252.168	252.137	252.224	252.141	252.097	252.034	251.995	251.957E	251.956	251.977	21
22	252.124	252.139	252.168	252.165	252.166	252.154	252.107	252.025	252.001	251.962E	251.954	251.977	22
23	252.123	252.139	252.169	252.181	252.165	392.149	252.107	252.006	252.016	251.977E	251.952	251.974	23
24	252.125	252.141	252.171	252.182	252.171	252.143	252.083	252.008	252.010	251.963E	251.953	251.971	24
25	252.125	252.143	252.170	252.189	252.180	252.181	252.094	252.002A	251.987	251.988E	251.952	251.989	25
26	252.129	252.148	252.170	252.221	252.174	252.156	252.075	251.995E	251.982	251.989E	251.984	251.972	26
27	252.134	252.150	252.166	252.192	252.186	252.140	252.069	251.981E	252.003	251.993E	251.949	251.970	27
28	252.128	252.152	252.164	252.223	252.201	252.155	252.084	251.987E	252.003	251.975E	251.953	251.970	28
29	252.128		252.168	252.207	252.205	252.132	252.086	252.024E	252.009	251.985E	251.995	251.973	29
30	252.130		252.169	252.180	252.202	252.111	252.081	252.003E	251.959	251.973E	251.956	251.974	30
31	252.125		252.171		252.187		252.043	251.984E		251.968E		251.972	31
MEAN	252.119	252.134	252.158	252.187	252.205	252.181	252.099	252.018	252.000	251.988	251.962	251.973	MEAN
MAX	252.134	252.152	252.171	252.223	252.246	252.247	252.154	252.083	252.049	252.098	252.005	251.987	MAX
MIN	252.107	252.126	252.141	252.125	252.160	252.111	252.081	251.957	251.938	251.933	251.948	251.956	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN 252.083
MAXIMUM DAILY, 252.247 ON JUN 7
MINIMUM DAILY, 251.933 ON OCT 2
MAXIMUM INSTANTANEOUS,
252.405 AT 22:51 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 20 N
LONG 99 35 20 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERMEN RIVER NEAR WATERMEN - STATION NO 05LM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	46.08	39.18	34.08	59.98	127	116	101	98.9	98.6	119	77.8	64.68	1
2	45.68	38.98	34.18	63.48	124	126	116	95.1	79.2	79.9	91.5	64.48	2
3	45.88	38.48	34.28	67.68	119	134	101	107	81.1	76.7	80.1	63.58	3
4	46.08	38.18	34.68	72.38	122	126	100	93.2	93.2	90.2	96.6	63.68	4
5	46.68	37.98	34.68	78.08	131	123	108	91.4	89.4	111	88.9	64.08	5
6	47.08	37.58	35.28	88.08	131	126	107	104	86.8	87.5	83.5	83.18	6
7	46.88	37.88	35.48	94.78	131	133	109	96.3	90.3	82.8	81.48	81.88	7
8	46.88	37.08	35.18	105.8	125	125	104	97.1	88.7	92.8	79.58	81.98	8
9	47.08	36.78	34.78	108	132	120	98.9	101	90.0	101	77.7	81.68	9
10	46.98	36.98	34.38	120	135	112	108	93.8	94.1	82.7	76.1	81.48	10
11	47.68	36.68	34.58	109	128	121	116	98.0	96.0	88.2	78.0	82.18	11
12	47.58	36.68	34.68	107	118	122	103	98.0	89.4	82.8	73.5	82.08	12
13	47.78	37.08	34.18	110	132	121	102	94.4	86.7	89.8	72.2	59.58	13
14	48.18	36.68	33.98	98.3	130	122	102	95.9	88.1	90.8	71.4	58.08	14
15	47.98	35.88	33.88	110	118	117	96.4	98.2	88.2	85.0	70.7	57.58	15
16	47.58	35.78	33.78	118	131	105	105	108	89.8	88.5	69.78	57.58	16
17	46.98	35.98	34.38	118	127	111	108	98.0	103	83.7	69.18	59.78	17
18	47.38	36.08	34.18	118	117	117	105	99.2	102	92.9	68.58	59.78	18
19	47.08	35.58	34.38	123	132	116	106	95.0	93.2	92.1	67.88	59.98	19
20	46.68	35.18	34.88	134	137	111	98.3	96.9	91.7	98.3	67.38	58.58	20
21	46.78	34.88	35.28	104	137	109	100	103	87.0	78.2	66.78	58.68	21
22	46.38	34.38	35.18	121	117	111	102	102	87.2	83.7	66.48	58.98	22
23	45.58	34.48	37.08	122	116	115	104	95.7	93.1	84.6	66.08	58.68	23
24	43.98	33.98	38.18	121	116	110	100	96.0	91.8	75.9	65.78	57.98	24
25	42.08	33.68	39.88	135	111	121	103	94.3	88.6	75.2	65.58	58.48	25
26	40.78	33.68	41.48	131	117	116	98.7	93.2	84.1	90.0	65.38	52.68	26
27	40.48	33.68	43.98	128	120	110	96.5	93.8	88.2	93.8	65.08	50.98	27
28	39.78	33.68	46.48	130	123	114	101	97.2	91.5	86.2	64.98	49.98	28
29	39.88		49.28	130	123	112	100	98.7	92.8	86.7	64.88	48.58	29
30	38.58		52.68	120	120	104	98.8	107	79.3	87.5	64.68	47.08	30
31	38.28		55.78		116		98.5	91.0		83.0		42.68	31
TOTAL	1 402.5	1 010.7	1 183.9	3 234.2	3 851	3 523	3 197.1	3 014.4	2 698.9	2 742.3	2 191.7	1 807.2	TOTAL
MEAN	45.2	36.1	37.5	108	124	117	103	97.2	90.0	88.5	73.1	58.3	MEAN
MAX	48.1	39.1	55.7	134	137	134	116	108	103	119	96.6	64.6	MAX
MIN	38.2	33.6	33.7	59.9	111	104	98.8	87.2	79.2	75.2	64.6	42.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 81.7
MAXIMUM DAILY, 137 ON MAY 20
MINIMUM DAILY, 33.68 ON FEB 25
MAXIMUM INSTANTANEOUS,
170 AT 14:48 CST ON OCT 1

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 98 32 50 W
DRAINAGE AREA, 55 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	121 000	JUL	275 000
FEB	87 300	AUG	260 000
MAR	101 000	SEP	233 000
APR	279 000	OCT	237 000
MAY	333 000	NOV	189 000
JUN	304 000	DEC	155 000

TOTAL DISCHARGE, 2 580 000 dam³

WEAVER LAKE AT OUTLET - STATION NO 05RE002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.153	28.080	28.029	27.984	28.257	28.732	28.524	28.089	28.181	28.074	28.084	28.022	1
2	28.150	28.074	28.033	27.982	28.252	28.733	28.491	28.086	28.186	28.073	28.062	28.012	2
3	28.153	28.071	28.030	27.982	28.244	28.733	28.488	28.086	28.182	28.070	28.043	28.009	3
4	28.154	28.071	28.033	27.982	28.234	28.762	28.460	28.036	28.158	28.077	28.017	28.009	4
5	28.153	28.068	28.031	27.987	28.218	28.784	28.437	28.047	28.168	28.071	28.023	28.008	5
6	28.149	28.066	28.029	27.987	28.222	28.772	28.418	28.034	28.170	28.076	28.043	28.007	6
7	28.144	28.062	28.021	28.016	28.211	28.771	28.371	28.051	28.184	28.080	28.060	28.005	7
8	28.145	28.058	28.015	28.044	28.172	28.786	28.372	28.050	28.189	28.088	28.046	28.001	8
9	28.146	28.055	28.015	28.081	28.177	28.794	28.381	28.057	28.170	28.019	28.046	28.000	9
10	28.137	28.057	28.015	28.140	28.183	28.802	28.352	28.075	28.173	28.022	28.048	27.998	10
11	28.136	28.053	28.014	28.202	28.132	28.802	28.338	28.084	28.170	28.082	28.047	27.990	11
12	28.135	28.045	28.008	28.285	28.128	28.805	28.310	28.081	28.172	28.088	28.047	27.987	12
13	28.134	28.042	28.004	28.333	28.088	28.798	28.283	28.083	28.187	28.054	28.042	27.986	13
14	28.126	28.042	28.006	28.383	28.084	28.778	28.277	28.083	28.186	28.038	28.041	27.984	14
15	28.120	28.042	28.001	28.441	28.058	28.766	28.270	28.080	28.188	28.087	28.042	27.980	15
16	28.118	28.041	28.002	28.499	28.035	28.783	28.258	28.094	28.186	28.085	28.044	27.972	16
17	28.117	28.039	28.000	28.561	28.027	28.747	28.239	28.084	28.185	28.080	28.044	27.972	17
18	28.116	28.040	28.012	28.628	28.001	28.732	28.240	28.080	28.190	28.080	28.045	27.972	18
19	28.112	28.038	28.010	28.685	28.982	28.727	28.231	28.087	28.185	28.058	28.044	27.973	19
20	28.111	28.036	28.007	28.765	28.940	28.714	28.194	28.112	28.146	28.084	28.042	27.972	20
21	28.112	28.032	28.005	28.865	28.932	28.708	28.200	28.133	28.135	28.084	28.043	27.987	21
22	28.112	28.034	28.001	28.935	28.902	28.671	28.188	28.132	28.125	28.083	28.042	27.987	22
23	28.100	28.028	27.999	29.014	28.875	28.640	28.171	28.148	28.119	28.087	28.037	27.983	23
24	28.098	28.022	27.999	29.073	28.853	28.617	28.188	28.170	28.108	28.085	28.035	27.959	24
25	28.095	28.022	27.985	29.130	28.833	28.589	28.172	28.180	28.100	28.048	28.038	27.958	25
26	28.095	28.028	27.982	29.142	28.814	28.583	28.156	28.178	28.109	28.024	28.035	27.956	26
27	28.093	28.028	27.986	29.189	28.795	28.574	28.148	28.186	28.103	28.040	28.034	27.952	27
28	28.090	28.026	27.987	29.200	28.788	28.560	28.131	28.180	28.090	28.055	28.029	27.952	28
29	28.090		27.982	29.229	28.763	28.535	28.125	28.186	28.088	28.028	28.027	27.952	29
30	28.088		27.985	29.240	28.707	28.518	28.118	28.150	28.082	28.050	28.025	27.946	30
31	28.085		27.988		28.688		28.106	28.181		28.059		27.939	31
MEAN	28.121	28.048	28.006	28.532	28.019	28.710	28.277	28.102	28.148	28.067	28.040	27.980	MEAN
MAX	28.154	28.080	28.033	29.240	28.257	28.805	28.524	28.186	28.186	28.098	28.084	28.022	MAX
MIN	28.085	28.022	27.982	27.982	28.688	28.518	28.106	28.034	28.088	28.019	28.017	27.939	MIN

WATER LEVELS IN METRES

MEAN 28.294
MAXIMUM DAILY, 29.287 ON MAY 1
MINIMUM DAILY, 27.939 ON DEC 31
MAXIMUM INSTANTANEOUS,
29.285 AT 09:10 CST ON MAY 1

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 96 45 10 W

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.108	1.528	1.248	1.088	70.48	19.6	8.89	2.24	5.41	11.1	9.408	2.608	1
2	2.078	1.508	1.238	1.078	71.9	19.8	8.34	2.34	7.01	11.1	9.008	2.528	2
3	2.048	1.488	1.238	1.078	52.5	19.7	7.80	2.38	7.71	11.4	8.508	2.458	3
4	2.038	1.478	1.218	1.068	47.9	19.4	7.35	2.38	8.47	11.3	8.208	2.358	4
5	2.018	1.478	1.218	1.068	45.0	19.1	8.89	2.28	9.30	11.7	8.008	2.258	5
6	1.988	1.468	1.208	1.058	42.3	18.5	6.87	2.23	10.8	11.9	7.508	2.188	6
7	1.958	1.448	1.208	1.058	40.3	17.6	6.52	2.18	12.6	12.0	7.308	2.108	7
8	1.928	1.438	1.208	1.048	39.0	16.5	6.64	2.10	13.8	12.0	7.008	2.088	8
9	1.908	1.428	1.198	1.048	38.4	15.8	6.74	1.95	14.9	11.7	6.708	2.018	9
10	1.878	1.418	1.198	1.038	37.4	14.8	7.59	1.90	15.9	11.2	6.508	1.978	10
11	1.868	1.408	1.188	1.038	36.4	14.0	8.17	1.83	17.4	10.5	6.258	1.928	11
12	1.848	1.388	1.188	1.108	34.5	13.1	8.85	1.80	19.5	10.2	6.008	1.878	12
13	1.838	1.388	1.178	1.208	32.8	12.4	8.86	1.82	21.4	10.1	5.808	1.838	13
14	1.818	1.378	1.178	1.438	31.3	11.8	8.59	1.87	23.2	10.6	5.408	1.808	14
15	1.808	1.358	1.168	1.588	29.6	11.3	7.97	1.84	23.7	10.9	5.508	1.778	15
16	1.798	1.348	1.168	1.878	29.4	10.9	7.24	1.79	23.4	11.1	5.238	1.748	16
17	1.778	1.348	1.158	2.358	27.8	10.8	6.59	1.80	22.4	11.6	4.908	1.718	17
18	1.768	1.328	1.158	3.108	26.2	10.6	6.13	1.78	21.0	12.1	4.708	1.688	18
19	1.748	1.328	1.148	8.008	24.8	11.4	5.86	1.70	19.8	12.8	4.508	1.658	19
20	1.738	1.318	1.148	18.98	24.1	12.5	5.46	1.64	18.7	13.5	4.308	1.628	20
21	1.718	1.318	1.138	34.08	23.1	12.9	4.97	1.61	17.6	13.6	4.108	1.598	21
22	1.698	1.298	1.138	52.28	22.5	12.7	4.65	1.45	16.7	13.68	3.908	1.568	22
23	1.658	1.298	1.128	74.28	22.1	12.1	4.30	1.43	16.0	13.78	3.708	1.558	23
24	1.648	1.278	1.128	99.78	21.5	11.7	4.00	1.43	15.4	13.88	3.608	1.538	24
25	1.628	1.278	1.118	99.08	21.1	11.3	3.69	1.40	14.7	13.78	3.508	1.528	25
26	1.618	1.268	1.118	85.48	20.2	11.1	3.32	1.38	14.3	13.28	3.308	1.508	26
27	1.598	1.268	1.108	90.68	19.5	10.7	3.11	1.35	13.6	12.18	3.108	1.488	27
28	1.588	1.248	1.108	84.68	18.9	10.6	2.87	1.41	12.9	11.38	3.008	1.478	28
29	1.568		1.098	78.48	18.5	9.84	2.86	1.55	12.1	10.78	2.908	1.468	29
30	1.558		1.088	74.28	18.9	9.32	2.52	2.33	11.3	10.28	2.708	1.448	30
31	1.538		1.088		19.3		2.43	3.73		9.708		1.438	31
TOTAL	55.52	38.32	35.86	835.81	1 007.8	411.48	185.89	58.86	461.00	384.30	184.88	55.62	TOTAL
MEAN	1.79	1.37	1.16	27.9	32.5	13.7	5.99	1.90	15.4	11.8	5.48	1.83	MEAN
MAX	2.10	1.52	1.24	99.7	71.9	19.8	8.89	3.73	23.7	13.8	9.40	2.80	MAX
MIN	1.53	1.24	1.08	1.03	18.5	9.32	2.43	1.35	5.41	9.70	2.70	1.43	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 10.1
MAXIMUM DAILY 99.78 ON APR 24
MINIMUM DAILY 1.038 ON APR 10

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 01 33 N
LONG 93 28 54 W
DRAINAGE AREA 2 280 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 800	JUL	15 000
FEB	3 310	AUG	5 090
MAR	3 100	SEP	39 800
APR	72 200	OCT	31 500
MAY	87 100	NOV	14 200
JUN	35 600	DEC	4 890

TOTAL DISCHARGE 318 000 dam³

WEST HAWK LAKE AT WEST HAWK LAKE CAMPGROUND - STATION NO 05PG803

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	332.321	332.573E	332.572E	332.627	332.624	---	---	---	---	1
2	---	---	---	332.321E	332.573	332.570E	332.624	332.622	---	---	---	---	2
3	---	---	---	332.321	332.573E	332.567	332.623E	332.617	332.500	---	---	---	3
4	---	---	---	332.334E	332.573E	332.575	332.622	332.602	---	---	332.323	---	4
5	---	---	---	332.347E	332.571E	332.575	332.621	332.597	---	---	---	---	5
6	---	---	---	332.359E	332.573E	332.573	332.602	332.597	---	---	---	---	6
7	---	---	---	332.372E	332.573	332.568	332.612	332.602	---	---	---	---	7
8	---	---	---	332.385	332.563	332.566	332.607	332.592	---	---	---	---	8
9	---	---	---	332.393	332.564E	332.563	332.602	332.602	---	---	---	---	9
10	---	---	---	332.418	332.549	332.575	332.592	332.582	---	---	---	---	10
11	---	---	---	332.432E	332.536	332.583	332.602E	332.587	---	---	---	---	11
12	---	---	---	332.446E	332.538	332.605	332.612	332.592	---	---	---	---	12
13	---	---	---	332.459	332.538E	332.601	332.607	332.587	---	332.373	---	---	13
14	---	---	---	332.473	332.539	332.598E	332.607	332.582	---	---	---	---	14
15	---	---	---	332.486	332.537	332.591	332.612	332.582	---	---	---	---	15
16	---	---	---	332.505	332.539	332.589	332.602	332.582	---	---	---	---	16
17	---	---	---	332.514E	332.537	332.585	332.607E	332.577E	332.481	---	---	---	17
18	---	---	---	332.524E	332.534E	332.585	332.612E	332.572	---	---	---	---	18
19	---	---	---	332.533	332.531	332.581	332.617E	332.567	---	---	---	---	19
20	---	---	---	332.549	332.533	332.573	332.622	332.582	---	---	---	---	20
21	---	---	---	332.559	332.563	332.572	332.612	332.559	---	---	---	---	21
22	---	---	---	332.565	332.543	332.563	332.602	332.552	---	---	---	---	22
23	---	---	---	332.571	332.546	332.553	332.622	332.542	---	---	---	---	23
24	---	332.381	---	332.573	332.548E	332.553	332.622	332.542	---	---	---	---	24
25	---	---	---	332.573E	332.549	332.553	332.612	332.532	---	---	---	---	25
26	---	---	332.288	332.573E	332.551	332.543	332.610	332.542	---	---	---	---	26
27	---	---	---	332.573	332.561	332.543	332.602	332.522	---	---	---	---	27
28	---	---	---	332.573E	332.562	332.541	332.604	332.520E	332.445	---	---	---	28
29	---	---	---	332.573E	332.564	332.518	332.582	332.517	---	---	---	---	29
30	---	---	---	333.573	332.571	332.514	332.587	---	---	---	---	---	30
31	---	---	332.321		332.575		332.614	---	---	---	---	---	31
MEAN	---	---	---	332.473	332.554	332.589	332.610	---	---	---	---	---	MEAN
MAX	---	---	---	332.573	332.575	332.663	332.627	---	---	---	---	---	MAX
MIN	---	---	---	332.321	332.531	332.583	332.587	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY 332.663 ON JUN 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 44 45 N
LONG 95 12 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA
154 km²

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0798	0.927B	0.180	0.119	0.022	0.068	0.043	0.089	---	---	1
2	---	---	0.0798	1.14 B	0.187	0.102	0.032	0.058	0.041	0.070	---	---	2
3	---	---	0.0798	1.52 B	0.186	0.097	0.031	0.054	0.041	0.063	---	---	3
4	---	---	0.0798	2.47 B	0.170	0.084	0.032	0.044	0.040	0.060	---	---	4
5	---	---	0.0898	3.16 B	0.209	0.085	0.034	0.039	0.040	0.069	---	---	5
6	---	---	0.1008	3.35 B	0.178A	0.072	0.033	0.037	0.041	0.065	---	---	6
7	---	---	0.0838	2.67 B	0.147E	0.068	0.032	0.031	0.040	0.058	---	---	7
8	---	---	0.0798	2.12 B	0.129E	0.048	0.030	0.027	0.038	0.071	---	---	8
9	---	---	0.0798	1.66 B	0.108E	0.035	0.024	0.021	0.035	0.072	---	---	9
10	---	---	0.0798	1.31	0.090E	0.043	0.040	0.020	0.032	0.076	---	---	10
11	---	---	0.0798	0.905	0.078A	0.051	0.040	0.048	0.038	0.081	---	---	11
12	---	---	0.0798	0.708	0.067	0.059	0.038	0.063	0.049	0.093	---	---	12
13	---	---	0.0798	0.545	0.061	0.054	0.050	0.063	0.095	0.080	---	---	13
14	---	---	0.0798	0.478	0.048	0.036	0.051	0.128	0.101	0.084	---	---	14
15	---	---	0.0789	0.425	0.047	0.031	0.074	0.554	0.079	0.071	---	---	15
16	---	---	0.1048	0.395	0.056	0.026	0.065	1.35	0.084	0.073	---	---	16
17	---	---	0.1588	0.377	0.060	0.019	0.062	1.11	0.054	0.084	---	---	17
18	---	---	0.1928	0.350	0.054	0.017	0.083	0.795	0.065	0.084	---	---	18
19	---	---	0.2568	0.327	0.055	0.013	0.254	0.590	0.067	0.087	---	---	19
20	---	---	0.3158	0.318	0.058	0.010	0.318	0.426	0.076	0.077	---	---	20
21	---	---	0.2778	0.283	0.083	0.022	0.445	0.329	0.069	0.090	---	---	21
22	---	---	0.1488	0.256	0.083	0.081	0.370	0.271	0.085	0.098	---	---	22
23	---	---	0.1348	0.233	0.082	0.056	0.303	0.197	0.056	0.106	---	---	23
24	---	---	0.3758	0.251	0.089	0.055	0.308	0.118	0.050	0.122	---	---	24
25	---	---	0.6138	0.351	0.084	0.044	0.128	0.093	0.047	0.139	---	---	25
26	---	---	0.7888	0.295	0.082	0.037	0.072	0.072	0.089	0.146	---	---	26
27	---	---	0.9768	0.204	0.089	0.036	0.045	0.083	0.122	0.162	---	---	27
28	---	---	1.17 B	0.175	0.118	0.031	0.039	0.056	0.102	0.151	---	---	28
29	---		1.06 B	0.154	0.186	0.027	0.038	0.051	0.120	0.142	---	---	29
30	---		0.9938	0.171	0.178	0.021	0.030	0.052	0.119	0.139	---	---	30
31	---		0.9288		0.148		0.088	0.048		0.131		---	31
TOTAL	---	---	9.714	27.437	3.370	1.489	3.186	5.830	1.888	2.911	---	---	TOTAL
MEAN	---	---	0.313	0.915	0.109	0.050	0.102	0.220	0.063	0.094	---	---	MEAN
MAX	---	---	1.17	3.35	0.209	0.118	0.445	1.35	0.122	0.162	---	---	MAX
MIN	---	---	0.079	0.154	0.047	0.010	0.022	0.020	0.032	0.080	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.232
MAXIMUM DAILY, 3.358 ON APR 6
MINIMUM DAILY, 0.010 ON JUN 20
MAXIMUM INSTANTANEOUS,
3.988 AT 17:33 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 58 50 W
DRAINAGE AREA, 195 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	274
FEB	---	AUG	580
MAR	839	SEP	183
APR	2 370	OCT	252
MAY	291	NOV	---
JUN	129	DEC	---

TOTAL DISCHARGE, 4 910 dam³

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO 05PH005

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	344.417	344.394	344.281	344.281	344.136	344.031	344.065	---	1
2	---	---	---	---	344.411	344.376	344.269	344.283	344.190	344.089	344.057	---	2
3	---	---	---	---	344.414	344.344	344.265	344.289	344.185	344.093	344.054	---	3
4	---	---	---	---	344.411	344.344	344.273	344.268	344.138	344.073	344.038	---	4
5	---	---	---	---	344.400	344.369	344.271	344.285	344.132	344.034	---	---	5
6	---	---	---	---	344.389	344.349	344.264	344.250	344.140	344.064	---	---	6
7	---	---	---	---	344.382	344.338	344.253	344.252	344.128	344.078	---	---	7
8	---	---	---	---	344.387	344.331	344.250	344.252	344.131	344.089	---	---	8
9	---	---	---	---	344.372	344.333	344.258	344.240	344.122	344.065	---	---	9
10	---	---	---	---	344.374	344.380	344.243	344.263	344.118	344.072	---	---	10
11	---	---	---	---	344.359	344.356	344.237	344.251	344.113	344.073	---	---	11
12	---	---	---	---	344.406	344.364	344.232	344.234	344.118	344.073	---	---	12
13	---	---	---	---	344.372	344.348	344.248	344.231	344.119	344.068	---	---	13
14	---	---	---	---	344.356	344.331	344.256	344.235	344.139	344.058	---	---	14
15	---	---	---	---	344.373	344.344	344.265	344.229	344.117	344.067	---	---	15
16	---	---	---	---	344.383	344.361	344.285	344.213	344.114	344.062	---	---	16
17	---	---	---	344.428	344.352	344.331	344.239	344.205	344.119	344.069	---	---	17
18	---	---	---	344.436	344.356	344.311	344.248	344.203	344.111	344.047	---	---	18
19	---	---	---	344.439	344.364	344.314	344.279	344.204	344.106	344.054	---	---	19
20	---	---	---	344.398	344.358	344.313	344.290	344.203	344.101	344.042	---	---	20
21	---	---	---	344.432	344.359	344.315	344.280	344.192	344.107	344.059	---	---	21
22	---	---	---	344.439	344.361	344.307	344.285	344.169	344.109	344.055	---	---	22
23	---	---	---	344.421	344.356	344.298	344.281	344.172	344.094	344.051	---	---	23
24	---	---	---	344.434	344.363	344.299	344.283	344.176	344.094	344.053	---	---	24
25	---	---	---	344.428	344.356	344.276	344.277	344.173	344.085	344.052	---	---	25
26	---	---	---	344.408	344.402	344.281	344.278	344.172	344.100	344.048	---	---	26
27	---	---	---	344.405	344.402	344.277	344.276	344.172	344.081	344.040	---	---	27
28	---	---	---	344.415	344.418	344.288	344.270	344.172	344.094	344.051	---	---	28
29	---		---	344.400	344.402	344.283	344.281	344.168	344.076	344.051	---	---	29
30	---		---	344.421	344.397	344.284	344.283	344.174	344.095	344.053	---	---	30
31	---		---		344.396		344.297	344.146		344.084		---	31
MEAN	---	---	---	---	344.386	344.322	344.265	344.215	344.115	344.061	---	---	MEAN
MAX	---	---	---	---	344.417	344.394	344.297	344.285	344.166	344.093	---	---	MAX
MIN	---	---	---	---	344.352	344.253	344.237	344.130	344.076	344.031	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 344.439 ON APR 19

MAXIMUM INSTANTANEOUS,
344.465 AT 09:07 CST ON APR 2F

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 40 N
LONG 95 41 50 W

REGULATED

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.42 B	0.8968	0.7659	14.88	17.6	7.38	0.726	3.76	0.712	0.653	0.589	0.3628	1
2	1.32 B	1.11 B	0.7798	15.08	16.1	6.01	0.725	5.58	0.631	0.529	0.550	0.3948	2
3	1.19 B	0.9658	0.7028	15.58	14.7	5.01	0.768	8.55	0.585	0.473	0.506	0.4408	3
4	1.26 B	0.8378	0.8548	16.08	13.8	4.54	0.738	9.12	0.531	0.451	0.462	0.4468	4
5	1.45 B	0.7648	0.8318	19.08	13.0	4.13	0.800	9.03	0.421	0.588	0.535	0.4378	5
6	1.52 B	0.7078	0.7868	24.18	12.2	3.80	0.594	8.12	0.373	0.588	0.525	0.4238	6
7	1.49 B	0.6738	1.04 B	30.78	11.3	3.55	0.681	6.88	0.359	0.591	0.595	0.3928	7
8	1.38 B	0.6878	1.16 B	34.18	10.3	3.29	1.92	5.73	0.357	0.905	0.585	0.3848	8
9	1.33 B	0.6238	1.19 B	38.28	9.67	2.94	2.05	5.15	0.334	0.801	0.546	0.4078	9
10	1.28 B	0.6118	1.17 B	40.9	8.75	2.88	1.79	4.55	0.314	0.728	0.581	0.4478	10
11	1.24 B	0.6068	1.18 B	45.3	7.28	2.68	1.73	4.08	0.318	0.891	0.557	0.4368	11
12	1.28 B	0.6018	1.24 B	44.0	6.16	3.32	1.98	3.82	0.376	0.891	0.574	0.5488	12
13	1.27 B	0.6098	1.31 B	44.4	5.49	5.89	2.05	3.84	0.356	0.712	0.563	0.4948	13
14	1.31 B	0.6048	1.40 B	48.3	4.85	7.35	2.16	3.28	0.325	0.767	0.543	0.3788	14
15	1.30 B	0.4948	1.56 B	47.5	4.10	6.94	2.42	3.01	0.249	0.808	0.534	0.3678	15
16	1.18 B	0.4878	1.66 B	47.7	3.77	5.85	3.06	2.75	0.247	0.788	0.8878	0.4008	16
17	1.08 B	0.5468	1.60 B	47.4	3.84	4.54	3.07	2.66	0.223	0.722	0.9098	0.4588	17
18	0.9088	0.4978	1.58 B	45.3	3.82	3.28	2.88	2.34	0.211	0.692	0.7668	0.4788	18
19	0.8488	0.4938	1.46 B	42.8	3.56	2.80	2.80	2.16	0.278	0.837	0.5148	0.4578	19
20	0.9738	0.9388	1.72 B	40.4	3.83	2.18	3.21	2.00	0.274	0.838	0.5298	0.4418	20
21	1.08 B	0.5338	2.20 B	37.8	3.84	1.88	3.48	1.80	0.250	0.969	0.5878	0.4318	21
22	1.10 B	0.5808	3.06 B	34.6	5.16	1.78	5.61	1.68	0.240	0.586	0.4818	0.4308	22
23	1.03 B	0.5478	4.90 B	31.9	6.46	1.70	7.65	1.48	0.267	0.586	0.4598	0.4208	23
24	1.22 B	0.5178	7.26 B	28.5	7.97	1.48	7.29	1.31	0.280	0.555	0.4638	0.3728	24
25	1.08 B	0.6988	10.3 B	26.5	7.59	1.31	8.58	1.18	0.330	0.556	0.4168	0.3458	25
26	0.8778	0.7118	14.0 B	26.6	7.42	1.35	5.77	1.10	0.347	0.611	0.3838	0.3348	26
27	0.8768	0.8848	15.5 B	24.7	8.04	1.27	4.72	0.987	0.298	0.815	0.3558	0.2598	27
28	0.8988	0.7068	16.7 B	22.9	8.56	1.08	3.82	0.868	0.261	0.528	0.3488	0.2448	28
29	0.9368		15.8 B	21.1	9.84	0.913	3.17	0.785	0.323	0.631	0.3488	0.2388	29
30	1.05 B		15.0 B	19.2	9.43	0.795	2.58	0.740	0.521	0.619	0.3858	0.2488	30
31	1.04 B		14.2 B		8.71		2.30	0.713		0.891		0.2948	31
TOTAL	38.189	18.409	142.223	974.3	258.85	103.039	88.942	108.833	10.592	18.917	16.737	12.303	TOTAL
MEAN	1.17	0.857	4.59	32.5	8.26	3.40	2.87	3.50	0.353	0.942	0.558	0.394	MEAN
MAX	1.52	1.11	16.7	47.7	17.6	7.95	7.65	9.12	0.712	0.905	0.909	0.548	MAX
MIN	0.848	0.483	0.831	14.9	3.83	0.795	0.584	0.713	0.211	0.451	0.348	0.238	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.90
MAXIMUM DAILY, 47.7 ON APR 15
MINIMUM DAILY, 0.211 ON SEP 18
MAXIMUM INSTANTANEOUS,
47.7 AT 02:04 CST ON APR 15

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 20 N
LONG 95 57 20 W
DRAINAGE AREA, 3 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 130	JUL	7 680
FEB	1 580	AUG	9 390
MAR	12 300	SEP	915
APR	84 200	OCT	1 720
MAY	22 200	NOV	1 480
JUN	8 820	DEC	1 060

TOTAL DISCHARGE, 154 000 dam³

WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR - STATION NO. 05LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3498	0.1058	0.053	0.024	0.015	0.107	0.029	0.124E	---	---	1
2	---	---	0.3478	0.1028	0.049	0.023	0.016	0.070	0.029	0.120E	---	---	2
3	---	---	0.3458	0.1338	0.048	0.022	0.015	0.060	0.028	0.113E	---	---	3
4	---	---	0.3438	0.3378	0.043	0.019	0.014	0.052	0.029	0.110E	---	---	4
5	---	---	0.3418	0.5828	0.038	0.019	0.014	0.048	0.031	0.107E	---	---	5
6	---	---	0.3398	0.5218	0.038	0.019	0.013	0.048	0.028	0.110E	---	---	6
7	---	---	0.3378	0.4408	0.034	0.018	0.014	0.328A	0.027	0.114E	---	---	7
8	---	---	0.3368	0.7908	0.033	0.016	0.013	0.298E	0.028	0.110E	---	---	8
9	---	---	0.3338	0.8808	0.031	0.017	0.013	0.277E	0.027	0.108E	---	---	9
10	---	---	0.3318	3.17	0.030	0.017	0.014	0.280E	0.026	0.105E	---	---	10
11	---	---	0.3288	2.18	0.026	0.017	0.015	0.248E	0.026	0.107E	---	---	11
12	---	---	0.3278	1.62	0.027	0.017	0.015	0.232E	0.026	0.110E	---	---	12
13	---	---	0.3258	1.26	0.028	0.016	0.019	0.229A	0.026	0.107E	---	---	13
14	---	---	0.3238	0.937	0.027	0.016	0.023	0.038	0.035	0.104E	---	---	14
15	---	---	0.3218	0.778	0.026	0.013	0.023	0.055	0.024	0.113E	---	---	15
16	---	---	0.3198	0.655	0.026	0.012	0.020	0.084	0.024	0.124E	---	---	16
17	---	---	0.3178	0.544	0.026	0.012	0.016	0.067	0.023	0.121E	---	---	17
18	---	---	0.0608	0.453	0.026	0.011	0.015	0.041	0.023	0.116E	---	---	18
19	---	---	0.0618	0.380	0.026	0.010	0.033	0.038	0.022	0.124E	---	---	19
20	---	---	0.0868	0.304	0.026	0.010	0.064	0.037	0.022	0.132E	---	---	20
21	---	---	0.0638	0.247	0.026	0.025	0.068	0.037	0.021	0.142E	---	---	21
22	---	---	0.0728	0.185	0.026	0.026	0.061	0.037	0.019	0.188E	---	---	22
23	---	---	0.0818	0.158	0.026	0.023	0.058	0.037	0.116	0.167E	---	---	23
24	---	---	0.0948	0.129	0.026	0.020	0.054	0.032	0.113	0.188E	---	---	24
25	---	---	0.1158	0.105	0.026	0.017	0.054	0.031	0.113	0.201E	---	---	25
26	---	---	0.1568	0.090	0.026	0.015	0.061	0.030	0.111	0.216E	---	---	26
27	---	---	0.1638	0.078	0.026	0.014	0.064	0.030	0.114A	0.234E	---	---	27
28	---	---	0.1528	0.071	0.026	0.013	0.048	0.029	0.129E	0.256E	---	---	28
29	---	---	0.1098	0.067	0.032	0.086A	0.048	0.029	0.134E	0.282E	---	---	29
30	---	---	0.0888	0.060	0.031	0.078A	0.044	0.030	0.138E	0.315E	---	---	30
31	---	---	0.0918		0.035		0.164	0.029		0.340E	---	---	31
TOTAL	---	---	7.021	18.107	0.969	0.847	1.080	2.916	1.529	4.780	---	---	TOTAL
MEAN	---	---	0.226	0.604	0.031	0.022	0.035	0.094	0.051	0.154	---	---	MEAN
MAX	---	---	0.349	3.17	0.053	0.085	0.164	0.336	0.135	0.340	---	---	MAX
MIN	---	---	0.060	0.060	0.025	0.010	0.013	0.029	0.019	0.104	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.151
MAXIMUM DAILY, 3.17 ON APR 10
MINIMUM DAILY, 0.010 ON JUN 19
MAXIMUM INSTANTANEOUS,
9.79 AT 01:53 CST ON APR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 415 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	94 3
FEB	---	AUG	252
MAR	607	SEP	132
APR	550	OCT	413
MAY	92 9	NOV	---
JUN	55 9	DEC	---

TOTAL DISCHARGE 3 200 dam³

WHITEMUD RIVER AT WESTBOURNE - STATION NO 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7788	0.3738	0.9008	8.808	13.8	5.56	1.50	2.86	0.884	1.24	1.48	1.76 B	
2	0.8068	0.3828	0.9278	8.478	13.0	5.77	1.52	10.7	0.888	1.33	1.67	1.68 B	2
3	0.8538	0.3908	0.8868	10.3 B	13.0	5.69	1.46	12.7	0.880	1.22	1.93	1.67 B	3
4	0.8898	0.4278	0.9218	36.7 B	12.7	5.79	1.49	13.7	0.832	1.36	2.07	1.51 B	4
5	0.9248	0.4198	0.9758	56.0 B	11.3	5.68	1.50	11.2	0.540	1.64	2.14	1.41 B	5
6	0.8578	0.4418	0.9368	60.8 B	10.2	5.71A	1.64	9.92	0.552	1.48	2.01	1.38 B	6
7	0.8008	0.4728	0.9568	63.5 B	9.78	5.33E	1.41	8.84	0.510	1.39	1.89	1.27 B	7
8	0.7908	0.5298	1.04 B	78.0	9.41	4.87E	1.30	8.14	0.487	1.37	1.81	1.27 B	8
9	0.8328	0.6538	1.47 B	80.2	8.83	4.62E	1.35	7.77	0.526	1.56	1.39	1.39 B	9
10	0.8518	0.7538	1.80 B	86.7	8.52	4.71E	1.25	7.44	0.530	1.47	1.42	1.47 B	10
11	0.8198	0.8658	1.94 B	81.0	8.15	4.38E	0.992	7.34	0.499	1.49	1.68	1.48 B	11
12	0.8868	0.9288	1.82 B	74.2	7.75	4.00E	0.916	7.59	0.485	1.51	1.84	1.41 B	12
13	0.9418	0.8958	1.71 B	62.8	7.15	3.47E	0.904	7.80	0.437	1.57	1.84	1.44 B	13
14	0.8158	0.7758	1.74 B	51.6	7.23	3.01E	0.891	7.75	0.458	1.51	1.43	1.41 B	14
15	1.18 B	0.8628	1.73 B	43.4	7.18	2.72E	0.786	7.08	0.510	1.55	1.81	1.40 B	15
16	1.92 B	0.9048	1.42 B	36.0	6.89	2.44E	0.783	7.51	0.557	1.52	1.69	1.30 B	16
17	1.92 B	0.9488	1.30 B	33.8	6.70	2.20E	0.772	7.13	0.731	1.45	1.44	1.19 B	17
18	1.54 B	0.9408	1.27 B	30.7	6.50	2.12A	0.780	7.34	0.780	1.52	1.33	1.18 B	18
19	1.24 B	0.8208	1.09 B	28.4	6.40	2.02	1.18	9.13	0.748	1.50	1.35	1.14 B	19
20	0.8898	0.8898	1.02 B	26.8	6.24	1.89	0.983	9.29	0.712	1.41	1.47	1.06 B	20
21	0.8398	0.9078	1.08 B	24.7	6.16	1.80	1.01	7.81	0.723	1.38	1.75	1.05 B	21
22	0.8528	0.9248	1.20 B	22.8	6.14	1.80	1.51	5.20	0.705	1.31	1.82	0.9578	22
23	0.9938	0.9548	1.33 B	20.4	6.16	1.70	1.62	3.13	0.662	1.35	1.52	0.9138	23
24	0.9528	0.9328	1.44 B	19.2	5.89	1.81	1.70	2.32	0.991	1.45	1.75	0.8278	24
25	0.9118	0.9228	2.11 B	18.1	5.86	1.80	1.58	1.83	0.981	1.57	1.55	0.7448	25
26	0.8318	0.8768	2.91 B	17.0	5.87	1.58	1.41	1.46	0.975	1.67	1.588	0.7338	26
27	0.8188	0.8708	5.19 B	16.3	5.77	1.55	1.24	1.13	1.02	1.89	1.538	0.7328	27
28	0.8938	0.8788	12.1 B	15.3	5.67	1.51	1.08	0.884	0.994	1.74	1.428	0.7008	28
29	0.8618		7.51 B	14.8	4.97	1.43	0.884	0.774	1.00	1.87	1.718	0.6088	29
30	0.8088		5.70 B	14.1	5.12	1.34	0.801	0.758	1.20	1.99	1.748	0.6158	30
31	0.8638		7.22 B		5.43		1.04	0.730		1.98		0.5768	31
TOTAL	26.514	20.331	74.043	1 170.87	243.19	98.02	37.284	143.447	21.237	46.87	50.28	38.252	TOTAL
MEAN	0.791	0.726	2.39	39.0	7.84	3.27	1.20	4.63	0.708	1.52	1.88	1.17	MEAN
MAX	1.92	0.954	12.1	85.7	13.8	5.79	1.62	13.7	1.20	1.99	2.14	1.76	MAX
MIN	0.352	0.352	0.886	8.80	4.97	1.34	0.772	0.730	0.437	1.22	1.25	0.576	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 5.39
MAXIMUM DAILY, 85.7 ON APR 10
MINIMUM DAILY, 0.3528 ON JAN 24
MAXIMUM INSTANTANEOUS,
96.4 AT 14:37 CST ON APR 7

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 03 N
LONG 98 35 00 W
DRAINAGE AREA, 9 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 120	JUL	3 220
FEB	1 780	AUG	12 400
MAR	6 400	SEP	1 830
APR	101 000	OCT	4 060
MAY	21 000	NOV	4 340
JUN	8 470	DEC	3 130

TOTAL DISCHARGE, 170 000 dam³

WHITEMUD RIVER NEAR KEYES - STATION NO 05LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2898	0.1868	0.3118	0.8888	0.869	0.811	0.289	19.3	0.368	0.480	0.424	0.384	
2	0.2478	0.1788	0.3178	0.6608	0.851	0.969	0.292	19.8	0.383	0.384	0.408	0.387	2
3	0.2918	0.1808	0.3188	0.5778	0.828	0.662	0.258	20.3	0.346	0.345	0.423	0.382	3
4	0.2868	0.1868	0.3158	1.41 B	0.807	0.733	0.244	14.1	0.227	0.450	0.417	0.370	4
5	0.2898	0.1938	0.3168	12.5 B	0.838	0.827	0.258	9.07	0.188	0.485	0.417	0.388	5
6	0.2838	0.1968	0.3288	52.1 B	0.782	0.638	0.231	5.47	0.158	0.430	0.408	0.391	6
7	0.2908	0.1988	0.3408	59.9	0.747	0.682	0.238	2.89	0.138	0.394	0.453	0.394	7
8	0.2918	0.1968	0.3438	63.5	0.705	0.385	0.202	1.84	0.143	0.354	0.418	0.402	8
9	0.2878	0.2008	0.3368	60.2	0.696	0.359	0.211	1.34	0.237	0.376	0.400	0.413	9
10	0.2878	0.2208	0.3308	51.6	0.674	0.321	0.244	1.15	0.165	0.397	0.374	0.403	10
11	0.2848	0.2348	0.3418	36.3	0.657	0.348	0.279	1.08	0.131	0.371	0.383	0.419	11
12	0.2908	0.2388	0.3668	28.9	0.625	0.355	0.259	0.984	0.138	0.340	0.412	0.423	12
13	0.2908	0.2438	0.3648	23.8	0.625	0.317	0.255	0.911	0.138	0.374	0.451	0.424	13
14	0.2908	0.2248	0.3698	18.5	0.586	0.295	0.270	0.938	0.133	0.384	0.442	0.424	14
15	0.2848	0.2138	0.3678	14.3	0.549	0.274	0.239	1.32	0.268	0.447	0.442	0.4088	15
16	0.2828	0.2098	0.3848	11.4	0.541	0.284	0.208	1.51	0.210	0.378	0.481	0.3518	16
17	0.2238	0.2248	0.3858	9.96	0.521	0.262	0.206	1.84	0.184	0.345	0.432	0.3148	17
18	0.2128	0.2478	0.3898	8.70	0.482	0.253	0.217	1.79	0.282	0.371	0.380	0.3168	18
19	0.2008	0.2748	0.3958	7.58	0.518	0.217	0.239	1.56	0.334	0.397	0.443	0.3128	19
20	0.2048	0.2768	0.3818	8.38	0.524	0.198	0.238	1.32	0.814	0.425	0.359	0.3068	20
21	0.2008	0.2788	0.4098	9.37	0.526	0.301	0.280	1.00	0.630	0.400	0.382	0.2628	21
22	0.2018	0.2908	0.4218	8.36	0.512	0.290	0.345	0.898	0.518	0.407	0.380	0.2158	22
23	0.2008	0.2888	0.4588	7.26	0.524	0.270	0.285	0.776	0.483	0.412	0.355	0.1778	23
24	0.1878	0.2628	1.03 B	6.96	0.536	0.239	0.245	0.857	0.451	0.414	0.336	0.1588	24
25	0.1788	0.2988	2.30 B	1.86	0.486	0.256	0.198	0.830	0.402	0.427	0.323	0.1228	25
26	0.1478	0.2848	2.65 B	1.38	0.437	0.261	0.180	0.484	0.373	0.462	0.338	0.1348	26
27	0.1588	0.3038	2.81 B	1.18	0.453	0.268	0.187	0.430	0.389	0.472	0.370	0.1688	27
28	0.1708	0.3068	3.05 B	1.04	0.477	0.252	0.191	0.398	0.381	0.486	0.370	0.1738	28
29	0.1738		1.87 B	1.16	0.480	0.238	0.137	0.376	0.433	0.530	0.371	0.1688	29
30	0.1848		1.10 B	0.936	0.524	0.233	0.137	0.386	0.398	0.483	0.372	0.1468	30
31	0.1878		0.9278		0.536		0.148	0.403		0.445		0.1208	31
TOTAL	7.404	5.882	22.738	491.941	15.031	11.460	16.514	114.413	9.022	12.784	11.908	9.428	TOTAL
MEAN	0.239	0.236	0.733	15.4	0.514	0.382	0.533	3.89	0.301	0.413	0.387	0.304	MEAN
MAX	0.291	0.306	2.81	63.5	0.869	0.969	0.46	20.3	0.830	0.530	0.481	0.424	MAX
MIN	0.147	0.176	0.311	0.880	0.437	0.198	0.137	0.376	0.131	0.340	0.323	0.120	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.01
MAXIMUM DAILY, 63.5 ON APR 8
MINIMUM DAILY, 0.1208 ON DEC 31
MAXIMUM INSTANTANEOUS,
78.6 AT 17:26 CST ON APR 7

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 99 06 10 W
DRAINAGE AREA, 1 780 km²
B - ICE CONDITIONS
REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	640	JUL	1 430
FEB	576	AUG	3 880
MAR	1 980	SEP	780
APR	42 500	OCT	1 110
MAY	1 640	NOV	1 030
JUN	985	DEC	815

TOTAL DISCHARGE, 63 400 dam³

WHITEMUD RIVER NEAR NEEPAWA - STATION NO. 05LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3778	0 8388	0.539	0.524	0 243	3 88	0 185	0 340	0 215	---	1
2	---	---	0.3778	0.7248	0 444	0.428	0 217	2 27	0.195	0 227	0 234	---	2
3	---	---	0.3778	0 8638	0.385	0.329	0.208	1 86	0 202	0 222	---	---	3
4	---	---	0.3778	1 85 B	0 367	0.272	0.201	1 22	0.190	0 228	---	---	4
5	---	---	0.3778	8 05 B	0.328	0.220	0.197	0 892	0.187	0.270	---	---	5
6	---	---	0.3778	8 93 B	0 266	0.215	0.201	0 728	0 178	0 234	---	---	6
7	---	---	0.3778	15.0	0 247	0.189	0.198	0 624	0 182	0.222	---	---	7
8	---	---	0.3778	15.4	0.238	0.190	0.192	0 535	0 181	0 242	---	---	8
9	---	---	0.3778	15.2	0 226	0.192	0.187	0 474	0 178	0 271	---	---	9
10	---	---	0.3778	15.0	0.211	0.174	0.209	0 460	0 182	0.231	---	---	10
11	---	---	0.3778	14.2	0.191	0 230	0 198	0 455	0 182	0 236	---	---	11
12	---	---	0.3778	11 7	0 208	0 215	0 195	0 409	0 177	0 256	---	---	12
13	---	---	0.3778	8 88	0.190	0 235	0 194	0 390	0 186	0 284	---	---	13
14	---	---	0.3778	6 63	0.178	0 229	0 201	0 421	0.183	0 247	---	---	14
15	---	---	0.3778	5.20	0.174	0.189	0.186	0 880	0.172	0 240	---	---	15
16	---	---	0.3778	4.35	0.178	0.188	0.186	0 727	0 182	0 244	---	---	16
17	---	---	0.3778	3 77	0 185	0 227	0 189	0 744	0 185	0 268	---	---	17
18	---	---	0.5338	3 40	0.179	0.203	0.195	0 681	0 189	0 290	---	---	18
19	---	---	0 5698	3.08	0.171	0.191	0.248	0 577	0 185	0 230	---	---	19
20	---	---	0.5828	2.59	0.197	0.187	0.191	0 481	0 185	0 239	---	---	20
21	---	---	0.5858	2.23	0 217	0 188	0 194	0 386	0 187	0 226	---	---	21
22	---	---	0.5488	1 83	0 181	0 189	0 213	0 322	0 182	0 246	---	---	22
23	---	---	0.5408	1 50	0 182	0 203	0 235	0 271	0 194	0 261	---	---	23
24	---	---	0.5338	1 27	0 192	0 193	0 209	0 254	0 203	0 246	---	---	24
25	---	---	0.5768	1 09	0 203	0 191	0 228	0 238	0 200	0 233	---	---	25
26	---	---	0.6268	0 923	0 218	0 191	0 241	0 232	0 205	0 255	---	---	26
27	---	---	0.6728	0 827	0 221	0 201	0 204	0 257	0 211	0 220	---	---	27
28	---	---	0.6428	0 738	0 283	0 204	0 209	0 238	0 232	0 204	---	---	28
29	---		0.6148	0 641	0 300	0 184	0 227	0 219	0 237	0 233	---	---	29
30	---		0.5868	0 611	0 389	0 214	0 238	0 215	0 233	0 214	---	---	30
31	---		0.5838		0.579		5 82	0 192		0 212		---	31
TOTAL	---	---	14.580	161 103	8.084	6 795	12 087	21 082	5 771	7 575	---	---	TOTAL
MEAN	---	---	0.470	5 37	0 261	0 227	0 389	0 680	0 192	0 244	---	---	MEAN
MAX	---	---	0.672	15 4	0 579	0 524	5 82	3 88	0 237	0 340	---	---	MAX
MIN	---	---	0.377	0 611	0 171	0 174	0 186	0 192	0 172	0 204	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN 0 867
MAXIMUM DAILY 15.4 ON APR 8
MINIMUM DAILY 0 171 ON MAY 19
MAXIMUM INSTANTANEOUS 15 2 AT 21 32 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 34 N
LONG 99 27 17 W
DRAINAGE AREA 806 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 040
FEB	---	AUG	1 820
MAR	1 280	SEP	499
APR	13 900	OCT	654
MAY	698	NOV	---
JUN	587	DEC	---

TOTAL DISCHARGE 20 500 dam³

WHITESHELL LAKE AT CAMPGROUND - STATION NO 05PC801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	310.288E	310.181E	310.159	310 189	310 149	---	---	---	1
2	---	---	---	---	310.284E	310.181E	310.159	310 181	310 149	---	---	---	2
3	---	---	---	---	310.281E	310.181E	310.159	310 189	310 129	---	---	---	3
4	---	---	---	---	310.279	310.181	310 159	310 189	310 129	---	310 037	---	4
5	---	---	---	---	310.281E	310.181	310.149	310 177	310 129	---	---	---	5
6	---	---	---	310 194	310 243	310.191	310 150E	310 184	---	---	---	---	6
7	---	---	---	310 204	310 237E	310 195	310 151E	310 189	---	---	---	---	7
8	---	---	---	310.214E	310.231E	310 194	310 152	310 184	---	---	---	---	8
9	---	---	---	310 224	310 225E	310.194	310 164	310 175	---	---	---	---	9
10	---	---	---	310 236E	310 219E	310.190	310 164	310 174	---	---	---	---	10
11	---	---	---	310 247E	310 213	310 195	310 159	310 178	---	---	---	---	11
12	---	---	---	310 258E	310 213E	310 190	310 159	310 187	---	---	---	---	12
13	---	---	---	310 270E	310 213E	310 190	310 159	310 186	---	310 061	---	---	13
14	---	---	---	310 281E	310 212E	310 185	310 182E	310 184	---	---	---	---	14
15	---	---	---	310 293E	310 212E	310 178E	310 166	310 184	---	---	---	---	15
16	---	---	---	310 304	310 212	310 171E	310 168	310 182	---	---	---	---	16
17	---	---	---	310 314E	310 203E	310 164	310 169	310 179	310 107	---	---	---	17
18	---	---	---	310 324	310 192	310 169	310 168	310 179	---	---	---	---	18
19	---	---	---	310 334	---	310 174	310 164	310 174	---	---	---	---	19
20	---	---	---	310 324	---	310 184	310 162	310 174	---	---	---	---	20
21	---	---	---	310 328E	---	310 184	310 158	310 168	---	---	---	---	21
22	---	---	---	310 334	---	310 181	310 169	310 168	---	---	---	---	22
23	---	310 085	---	310 332E	---	310 194	310 174	310 158	---	---	---	---	23
24	---	---	---	310 329	---	310 189	310 174	310 158	---	---	---	---	24
25	---	---	---	310 324E	---	310 184	310 174	310 149	---	---	---	---	25
26	---	---	---	310 319E	---	310 184	310 163	310 144	---	---	---	---	26
27	---	---	---	310 314	---	310 189	310 169	310 145	---	---	---	---	27
28	---	---	---	310 314	---	310 189	310 169	310 144	---	---	---	---	28
29	---		---	310 304	---	310 189	310 167	310 144	---	---	---	---	29
30	---		---	310 289	---	310 154	310 159	310 159	---	---	---	---	30
31	---		---		---		310 169	310 149		---	---	---	31
MEAN	---	---	---	---	---	310 182	310 164	310 171	---	---	---	---	MEAN
MAX	---	---	---	---	---	310 195	310 189	310 189	---	---	---	---	MAX
MIN	---	---	---	---	---	310 164	310 149	310 144	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1987

MAXIMUM DAILY 310 334 ON APR 19

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 05 00 N
LONG 95 21 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA
75 9 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO 05PC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.810e	0.685e	0.819	1.36	4.80	1.57	0.434	0.525	0.301	0.284	0.254	0.257	1
2	0.776e	0.728e	0.820	1.34	4.35	1.41	0.426	0.527	0.293	0.286	0.258	0.252	2
3	0.767e	0.719e	0.792	1.38	3.95	1.22	0.415	0.463	0.301	0.249	0.260	0.255	3
4	0.756e	0.702e	0.786	1.46	3.97	1.27	0.414	0.438	0.306	0.254	0.253	0.257	4
5	0.738e	0.683e	0.814	1.53	3.81	1.28	0.398	0.448	0.309	0.276	0.249	0.254	5
6	0.752e	0.689e	0.817	1.65	3.59	1.32	0.403	0.421	0.302	0.259	0.253	0.251	6
7	0.733e	0.702e	0.794	1.82	3.45	1.31	0.408	0.423	0.304	0.258	0.254	0.250	7
8	0.748e	0.686e	0.788	1.94	3.41	1.25	0.376	0.438	0.322	0.258	0.253	0.252	8
9	0.780e	0.659e	0.830	2.07	3.91	1.22	0.388	0.590	0.323	0.262	0.256	0.253	9
10	0.744e	0.660e	0.804	2.25	2.62	1.24	0.387	1.11	0.318	0.248	0.259	0.256	10
11	0.738e	0.677e	0.803	2.38	2.37	1.30	0.381	1.33	0.319	0.251	0.258	0.275	11
12	0.710e	0.655e	0.803	2.57	2.50	1.26	0.421	1.27	0.305	0.254	0.259	0.275	12
13	0.728e	0.668e	0.787	2.70	2.30	1.21	0.422	1.23	0.319	0.242	0.262	0.277	13
14	0.758e	0.698e	0.795	2.81	2.20	1.10	0.437	0.512	0.311	0.247	0.258	0.273	14
15	0.780e	0.682e	0.781	2.96	2.28	1.08	0.455	0.396	0.298	0.253	0.260	0.255	15
16	0.780e	0.685e	0.770	4.28	1.84	1.03	0.484	0.389	0.288	0.244	0.265	0.231	16
17	0.765e	0.683e	0.782	5.57	1.53	0.985	0.448	0.381	0.283	0.244	0.269	0.223	17
18	0.748e	0.654e	0.775	5.46	1.58	0.881	0.421	0.388	0.284	0.247	0.257	0.225	18
19	0.768e	0.669e	0.769	5.53	1.60	0.884	0.492	0.392	0.294	0.251	0.262	0.212	19
20	0.762e	0.677e	0.787	5.20	1.57	0.835	0.482	0.387	0.285	0.264	0.253	0.198e	20
21	0.748e	0.667e	0.767	5.42	1.70	1.03	0.487	0.385	0.278	0.264	0.254	0.189e	21
22	0.739e	0.666e	0.800	5.23	1.80	1.22	0.583	0.365	0.281	0.262	0.256	0.188e	22
23	0.734e	0.661e	0.832	5.37	1.78	1.14	0.560	0.355	0.274	0.263	0.257	0.176e	23
24	0.735e	0.656e	0.885	5.28	1.72	1.04	0.517	0.341	0.281	0.265	0.250	0.168e	24
25	0.728e	0.723e	0.987	5.29	1.71	0.945	0.488	0.334	0.274	0.259	0.248	0.162e	25
26	0.733e	0.749e	1.10	5.03	1.72	0.867	0.478	0.333	0.256	0.268	0.250	0.190e	26
27	0.714e	0.748	1.15	5.88	1.78	0.856	0.471	0.351	0.260	0.263	0.250	0.158e	27
28	0.717e	0.755	1.12	5.46	1.84	0.830	0.478	0.458	0.298	0.265	0.251	0.154e	28
29	0.702e		1.10	4.84	1.74	0.785	0.447	0.309	0.293	0.281	0.258	0.150e	29
30	0.707e		1.21	4.78	1.65	0.575	0.412	0.314	0.277	0.264	0.257	0.145e	30
31	0.706e		1.28		1.61		0.535	0.306		0.257		0.146e	31
TOTAL	23.077	19.245	27.068	113.63	75.59	32.903	13.918	15.986	8.642	8.002	7.674	6.779	TOTAL
MEAN	0.744	0.687	0.873	3.79	2.44	1.10	0.449	0.516	0.295	0.258	0.256	0.219	MEAN
MAX	0.810	0.755	1.28	5.37	4.80	1.57	0.583	1.33	0.323	0.284	0.269	0.277	MAX
MIN	0.702	0.654	0.767	1.34	1.53	0.575	0.388	0.306	0.255	0.242	0.248	0.145	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.586
MAXIMUM DAILY, 5.37 ON APR 23
MINIMUM DAILY, 0.1458 ON DEC 30
MAXIMUM INSTANTANEOUS,
5.78 AT 14:54 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 30 20 W
DRAINAGE AREA, 884 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 990	JUL	1 200
FEB	1 660	AUG	1 380
MAR	2 340	SEP	784
APR	9 820	OCT	691
MAY	6 530	NOV	653
JUN	2 840	DEC	586

TOTAL DISCHARGE, 30 500 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO 05NG023

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	495.756E	495.780	495.672	495.556	495.509	495.479	495.322	495.400	---	1
2	---	---	---	495.753A	495.774	495.630	495.521	495.512	495.576	495.412	495.330A	---	2
3	---	---	---	495.760	495.785	495.688	495.584	495.478	495.485	495.410	---	---	3
4	---	---	---	495.757	495.784	495.672	495.578	495.503	495.459	495.345	---	---	4
5	---	---	---	495.790	495.748	495.678	495.532	495.537	495.477	495.303	---	---	5
6	---	---	---	495.783	495.740	495.669	495.523	495.484	495.462	495.385	---	---	6
7	---	---	---	495.788	495.747	495.626	495.503	495.481	495.460	495.382	---	---	7
8	---	---	---	495.786	495.754	495.645	495.518	495.470	495.452	495.336	---	---	8
9	---	---	---	495.795	495.737	495.659	495.520	495.459	495.458	495.313	---	---	9
10	---	---	---	495.788	495.715	495.657	495.514	495.514	495.436	495.407A	---	---	10
11	---	---	---	495.812	495.732	495.638	495.505	495.480A	495.445	495.374	---	---	11
12	---	---	---	495.812	495.775	495.641	495.506	495.448A	495.458	495.382	---	---	12
13	---	---	---	495.815	495.777	495.631	495.517	495.474	495.473	495.341	---	---	13
14	---	---	---	495.848	495.803	495.626	495.510	495.484	495.456	495.365	---	---	14
15	---	---	---	495.817	495.707	495.698	495.539	495.541	495.462	495.384	---	---	15
16	---	---	---	495.801	495.685	495.656	495.487	495.523	495.433	495.358	---	---	16
17	---	---	---	495.808	495.678	495.586	495.474	495.534	495.393	495.362A	---	---	17
18	---	---	---	495.814	495.700	495.588	495.468	495.518	495.392	495.298A	---	---	18
19	---	---	495.790A	495.791	495.681	495.593	495.534	495.531	495.433	495.311A	---	---	19
20	---	---	495.808	495.751	495.653	495.591	495.523	495.541	495.437	495.285A	---	---	20
21	---	---	495.700	495.822	495.629	495.588	495.517	495.483	495.446	495.332A	---	---	21
22	---	---	495.716	495.780	495.672	495.578	495.528	495.496	495.444	495.330E	---	---	22
23	---	---	495.720	495.792	495.678	495.586	495.518	495.519	495.430	495.378E	---	---	23
24	---	---	495.722	495.798	495.684	495.558	495.526	495.521	495.420	495.378A	---	---	24
25	---	---	495.720	495.792	495.696	495.520	495.520	495.518	495.430	495.368	---	---	25
26	---	---	495.732	495.781	495.680	495.544	495.518	495.508	495.435	495.303A	---	---	26
27	---	---	495.788A	495.785	495.703	495.544	495.508	495.507	495.418	495.300A	---	---	27
28	---	---	495.758E	495.785	495.688	495.546	495.501	495.527	495.380	495.345	---	---	28
29	---		495.760E	495.778	495.691	495.544	495.488	495.486	495.388	495.336A	---	---	29
30	---		495.761E	495.800	495.688	495.571	495.519	495.495	495.435	495.323	---	---	30
31	---		495.782A		495.714		495.504	495.490		495.374		---	31
MEAN	---	---	---	495.780	495.711	495.612	495.517	495.500	495.444	495.348	---	---	MEAN
MAX	---	---	---	495.848	495.780	495.678	495.578	495.541	495.576	495.412	---	---	MAX
MIN	---	---	---	495.750	495.628	495.520	495.448	495.448	495.380	495.285	---	---	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MAXIMUM DAILY, 495.848 ON APR 14
MINIMUM DAILY, 495.298A ON OCT 20
MAXIMUM INSTANTANEOUS,
495.911 AT 02:37 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 28 N
LONG 100 19 29 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILD GOOSE CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO 05PF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.0028	0	0	0	0	0	0	0	0	1
2	0	0	0	0.0028	0	0	0	0	0	0	0	0	2
3	0	0	0	0.0028	0	0	0	0	0	0	0	0	3
4	0	0	0	0.0048	0	0	0	0	0	0	0	0	4
5	0	0	0	0.0088	0	0	0	0	0	0	0	0	5
6	0	0	0	0.0168	0	0	0	0	0	0	0	0	6
7	0	0	0	0.0098	0	0	0	0	0	0	0	0	7
8	0	0	0	0.0088	0	0	0	0	0	0	0	0	8
9	0	0	0	0.0058	0	0	0	0	0	0	0	0	9
10	0	0	0	0.0038	0	0	0	0	0	0	0	0	10
11	0	0	0	0.0038	0	0	0	0.001	0	0	0	0	11
12	0	0	0	0.0038	0	0	0	0.001	0	0	0	0	12
13	0	0	0	0.0028	0	0	0	0.001	0	0	0	0	13
14	0	0	0	0.0028	0	0	0	0	0	0	0	0	14
15	0	0	0	0.0028	0	0	0	0	0	0	0	0	15
16	0	0	0	0.0028	0	0	0	0	0	0	0	0	16
17	0	0	0	0.002	0	0	0	0	0	0	0	0	17
18	0	0	0	0.002	0	0	0	0	0	0	0	0	18
19	0	0	0	0.002	0	0	0	0	0	0	0	0	19
20	0	0	0	0.001	0	0	0	0	0	0	0	0	20
21	0	0	0	0.001	0	0	0	0	0	0	0	0	21
22	0	0	0	0.001	0	0	0	0	0	0	0	0	22
23	0	0	0.014	0.001	0	0	0	0	0	0	0	0	23
24	0	0	0.014	0.001	0	0	0	0	0	0	0	0	24
25	0	0	0.013	0.001	0	0	0	0	0	0	0	0	25
26	0	0	0.013	0.001	0	0	0	0	0	0	0	0	26
27	0	0	0.012	0	0	0	0	0	0	0	0	0	27
28	0	0	0.008	0	0	0	0	0	0	0	0	0	28
29	0		0.0068	0	0	0	0	0	0	0	0	0	29
30	0		0.0048	0	0	0	0	0	0	0	0	0	30
31	0		0.0028		0		0	0	0	0		0	31
TOTAL	0	0	0.085	0.085	0	0	0	0.003	0	0	0	0	TOTAL
MEAN	0	0	0.003	0.003	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.014	0.016	0	0	0	0.001	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 0168 ON APR 6
MINIMUM DAILY, 0 ON JAN 1

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 00 N
LONG 95 52 54 W
DRAINAGE AREA, 0 43 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0 28
MAR	7 43	SEP	0
APR	7 34	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 15 0 dam³

WILLOW CREEK NEAR CHATER - STATION NO 05MH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 8	1 69 B	0 292	0 096	0 009	0	0	0	---	---	1
2	---	---	0 8	1 84 B	0 261	0 087	0 007	0	0	0	---	---	2
3	---	---	0 8	2 31 B	0 250	0 075	0 004	0	0	0	---	---	3
4	---	---	0 8	10 6 B	0 541	0 075	0 004	0	0	0	---	---	4
5	---	---	0 8	34 0 B	0 451	0 071	0 002	0	0	0	---	---	5
6	---	---	0 0018	45 3	0 380	0 075	0 002	0	0	0	---	---	6
7	---	---	0 0028	25 0	0 305	0 084	0 002	0	0	0	---	---	7
8	---	---	0 8	13 6	0 215	0 088	0 001	0	0	0	---	---	8
9	---	---	0 8	8 08	0 190	0 055	0 001	0	0	0	---	---	9
10	---	---	0 8	7 14	0 181	0 063	0 002	0	0	0	---	---	10
11	---	---	0 8	5 19	0 150	0 068	0 002	0	0	0	---	---	11
12	---	---	0 8	4 88	0 140	0 062	0 001	0	0	0	---	---	12
13	---	---	0 8	4 27	0 128	0 048	0 001	0	0	0	---	---	13
14	---	---	0 8	3 74	0 098	0 043	0 001	0	0	0	---	---	14
15	---	---	0 0018	3 10	0 116	0 041	0 001	0 001	0	0	---	---	15
16	---	---	0 0028	2 47	0 148	0 027	0 001	0	0	0	---	---	16
17	---	---	0 0048	1 98	0 140	0 013	0 001	0	0	0	---	---	17
18	---	---	0 0068	1 41	0 130	0 009	0 001	0	0	0	---	---	18
19	---	---	0 0088	1 06	0 119	0 008	0 003	0	0	0	---	---	19
20	---	---	0 0108	0 861	0 120	0 009	0 002	0	0	0	---	---	20
21	---	---	0 0308	0 626	0 115	0 010	0 001	0	0	0	---	---	21
22	---	---	0 0858	0 535	0 109	0 010	0 001	0	0	0	---	---	22
23	---	---	0 0808	0 432	0 113	0 011	0 001	0	0	0	---	---	23
24	---	---	0 0418	0 384	0 110	0 010	0 001	0	0	0	---	---	24
25	---	---	0 0648	0 308	0 127	0 009	0 001	0	0	0	---	---	25
26	---	---	0 0778	0 241	0 134	0 008	0	0	0	0	---	---	26
27	---	---	0 1868	0 226	0 116	0 008	0	0	0	0	---	---	27
28	---	---	0 1728	0 334	0 115	0 010	0	0	0	0	---	---	28
29	---		0 3488	0 282	0 118	0 009	0	0	0	0	---	---	29
30	---		0 8258	0 280	0 132	0 008	0	0	0	0	---	---	30
31	---		1 04 B		0 114		0	0		0	---	---	31
TOTAL	---	---	3 701	188 281	5 824	1 148	0 052	0 003	0	0	---	---	TOTAL
MEAN	---	---	0 087	6 28	0 181	0 038	0 002	0	0	0	---	---	MEAN
MAX	---	---	1 04	45 3	0 541	0 096	0 009	0 001	0	0	---	---	MAX
MIN	---	---	0	0 238	0 098	0 008	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0 807
MAXIMUM DAILY 45 3 ON APR 6
MINIMUM DAILY 00 ON MAR 1
MAXIMUM INSTANTANEOUS
50 8 AT 05 00 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 96 49 34 W
DRAINAGE AREA 869 km²

B ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 48
FEB	---	AUG	0 17
MAR	233	SEP	0
APR	18 300	OCT	0
MAY	488	NOV	---
JUN	99 2	DEC	---

TOTAL DISCHARGE 19 100 dam³

WILLOW CREEK NEAR GIMLI - STATION NO 05LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	---	---	---	---	---	1
2	---	---	0B	0 B	0	0	0	---	---	---	---	---	2
3	---	---	0B	0 B	0	0	0A	---	---	---	---	---	3
4	---	---	0B	0.0408	0	0	---	---	---	---	---	---	4
5	---	---	0B	0.9288	0.010	0	---	---	---	---	---	---	5
6	---	---	0B	3.51 B	0.011	0	---	---	---	---	---	---	6
7	---	---	0B	3.02 B	0.002	0	---	---	---	---	---	---	7
8	---	---	0B	2.80	0.048	0	---	---	---	---	---	---	8
9	---	---	0B	2.05	0.080	0	---	---	---	---	---	---	9
10	---	---	0B	1.47	0.025	0	---	---	---	---	---	---	10
11	---	---	0B	1.18	0.013	0	---	---	---	---	---	---	11
12	---	---	0B	0.825	0.013	0	---	---	---	---	---	---	12
13	---	---	0B	0.685	0.014	0	---	---	---	---	---	---	13
14	---	---	0B	0.488	0.025	0	---	---	---	---	---	---	14
15	---	---	0B	0.357	0.025	0	---	---	---	---	---	---	15
16	---	---	0B	0.389	0.021	0	---	---	---	---	---	---	16
17	---	---	0B	0.416	0.016	0	---	---	---	---	---	---	17
18	---	---	0B	0.317	0.011	0	---	---	---	---	---	---	18
19	---	---	0B	0.154	0.003	0	---	---	---	---	---	---	19
20	---	---	0B	0.110	0	0	---	---	---	---	---	---	20
21	---	---	0B	0.066	0	0	---	---	---	---	---	---	21
22	---	---	0B	0.032	0	0	---	---	---	---	---	---	22
23	---	---	0B	0.006	0	0	---	---	---	---	---	---	23
24	---	---	0B	0	0	0	---	---	---	---	---	---	24
25	---	---	0B	0.004	0	0	---	---	---	---	---	---	25
26	---	---	0B	0.016	0	0	---	---	---	---	---	---	26
27	---	---	0B	0.006	0.007	0	---	---	---	---	---	---	27
28	---	---	0B	0 003	0.015	0	---	---	---	---	---	---	28
29	---		0B	0	0.003	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---		---		---	31
TOTAL	---	---	0	18.937	0.322	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.631	0.010	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	3.51	0.080	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 158
MAXIMUM DAILY, 3 518 ON APR 6
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 50 N
LONG 97 02 40 W
DRAINAGE AREA, 153 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	1 640	OCT	---
MAY	27.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 670 dam³

WILSON CREEK NEAR MCCREARY - STATION NO 05LJ801

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	357.989	357.777	---	---	---	---	---	---	1
2	---	---	---	---	357.956	357.774A	---	---	---	---	---	---	2
3	---	---	---	---	357.985	---	---	---	---	---	---	---	3
4	---	---	---	---	357.985	---	---	---	---	---	---	---	4
5	---	---	---	---	357.980	---	---	---	---	---	---	---	5
6	---	---	---	---	357.984	---	---	---	---	---	357.744A	---	6
7	---	---	---	---	357.951	---	---	---	---	---	---	---	7
8	---	---	---	358.018A	357.948	---	---	---	---	---	---	---	8
9	---	---	---	358.088	357.948	---	---	---	---	---	---	---	9
10	---	---	---	358.078	357.945	---	---	---	---	---	---	---	10
11	---	---	---	358.052	357.945	---	---	---	---	---	---	---	11
12	---	---	---	358.084	357.945	---	---	---	---	---	---	---	12
13	---	---	---	358.033	357.942	---	---	---	---	---	---	---	13
14	---	---	---	358.027	357.936	---	---	---	---	---	---	---	14
15	---	---	---	358.033	357.927	---	---	---	---	---	---	---	15
16	---	---	---	358.036	357.921	---	---	---	---	---	---	---	16
17	---	---	---	358.030	357.911	---	---	---	---	---	---	---	17
18	---	---	---	358.024	357.905	---	---	---	---	---	---	---	18
19	---	---	---	358.021	357.895	---	---	---	---	---	---	---	19
20	---	---	---	358.021	357.880	---	---	---	---	---	---	---	20
21	---	---	---	358.018	357.884	---	---	---	357.732A	---	---	---	21
22	---	---	---	358.018	357.861	---	---	---	---	---	---	---	22
23	---	---	---	358.012	357.876	---	---	---	---	---	---	---	23
24	---	---	---	358.012	357.878	---	357.763A	---	---	---	---	---	24
25	---	---	---	358.009	357.872	---	---	---	---	---	---	---	25
26	---	---	---	358.006	357.872	---	---	357.744A	---	---	---	---	26
27	---	---	---	357.982	357.875	---	---	---	---	---	---	---	27
28	---	---	---	357.978	357.868	---	---	---	---	---	---	---	28
29	---		---	357.988	357.884	---	---	---	---	---	---	---	29
30	---		---	357.988	357.838	357.774A	---	---	---	---	---	---	30
31	---		---		357.788		---	---		---		---	31
MEAN	---	---	---	---	357.914	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	357.989	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	357.788	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 46 N
LONG 99 33 15 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA
22 8 km²

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0178	1.00 B	0.278	0.038	0.001	0	0	0	---	---	1
2	---	---	0.0178	1.75 B	0.251	0.032	0.001	0	0	0	---	---	2
3	---	---	0.0178	3.00 B	0.223	0.028	0.001	0	0	0	---	---	3
4	---	---	0.0188	7.66 B	0.211	0.032	0.001	0	0	0.001	---	---	4
5	---	---	0.0219	38.3 B	0.202	0.032	0.001	0.001	0	0.001	---	---	5
6	---	---	0.0208	38.3	0.189	0.028	0.001	0.001	0	0.001	---	---	6
7	---	---	0.0188	23.8	0.176	0.030	0.001	0	0	0.001	---	---	7
8	---	---	0.0178	15.4	0.152	0.023	0.001	0	0	0.001	---	---	8
9	---	---	0.0178	10.8	0.141	0.018	0.001	0	0	0.001	---	---	9
10	---	---	0.0178	8.56	0.128	0.018	0.001	0.001	0	0.001A	---	---	10
11	---	---	0.0178	7.22	0.119	0.017	0.001	0.001	0	0.001E	---	---	11
12	---	---	0.0178	6.33	0.108	0.011	0.001	0	0	0 E	---	---	12
13	---	---	0.0178	5.18	0.097	0.010	0.001	0	0	0 E	---	---	13
14	---	---	0.0178	4.13	0.084	0.005	0.001	0.001	0	0 E	---	---	14
15	---	---	0.0178	3.34	0.085	0.003	0.001	0.001	0	0 E	---	---	15
16	---	---	0.0178	2.76	0.077	0.002	0.001	0.001	0	0 E	---	---	16
17	---	---	0.0188	2.31	0.072	0.002	0	0	0.001	0 E	---	---	17
18	---	---	0.0208	1.88	0.070	0.002	0	0.001	0.001	0.001E	---	---	18
19	---	---	0.0238	1.53	0.074	0.002	0.001	0.001	0.001	0.001E	---	---	19
20	---	---	0.0288	1.28	0.068	0.002	0.001	0.001	0.001	0.001E	---	---	20
21	---	---	0.0408	0.986	0.063	0.002	0	0.001	0.001	0.001E	---	---	21
22	---	---	0.0708	0.772	0.065	0.002	0.001	0.001	0.001	0.001E	---	---	22
23	---	---	1.25 B	0.617	0.065	0.002	0.001	0	0.001	0.001E	---	---	23
24	---	---	2.52 B	0.533	0.070	0.001	0	0	0.001	0.001E	---	---	24
25	---	---	5.88 B	0.468	0.082	0.001	0	0	0.001	0.001E	---	---	25
26	---	---	4.87 B	0.489	0.055	0.001	0	0	0.001	0.001E	---	---	26
27	---	---	3.50 B	0.463	0.050	0.001	0	0	0.001	0.001E	---	---	27
28	---	---	3.00 B	0.384	0.060	0.001	0	0	0.001	0 E	---	---	28
29	---		2.50 B	0.330	0.053	0.001	0	0	0.001	0 E	---	---	29
30	---		2.00 B	0.303	0.058	0.001	0	0	0	0 E	---	---	30
31	---		1.50 B		0.048		0	0		0 E	---	---	31
TOTAL	---	---	37.099	190.892	3.508	0.347	0.020	0.012	0.013	0.018	---	---	TOTAL
MEAN	---	---	0.874	6.39	0.113	0.012	0.001	0	0	0.001	---	---	MEAN
MAX	---	---	5.88	38.3	0.278	0.038	0.001	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0.017	0.303	0.048	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.506
MAXIMUM DAILY, 38.3 ON APR 6
MINIMUM DAILY, 0 ON JUL 17
MAXIMUM INSTANTANEOUS,
58.9 AT 18:34 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 100 20 00 W
DRAINAGE AREA, 889 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 73
FEB	---	AUG	1 04
MAR	2 340	SEP	1 12
APR	18 900	OCT	1 56
MAY	303	NOV	---
JUN	30 0	DEC	---

TOTAL DISCHARGE, 19 200 dam³

WINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PF002

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.861	254.851	254.962	254.933	254.805	254.935	254.915	254.915	254.815	254.905	254.940	254.880	1
2	254.861	254.841	254.962	254.924	254.765	254.935	254.945	254.905	254.875	254.885	254.930	254.829	2
3	254.911	254.961	254.962	254.864	254.845	254.885	254.925	254.885	254.835	254.775	254.930	254.739	3
4	254.911	254.831	254.972	254.794	254.825	254.895	254.955	254.905	254.785	254.815	254.920	254.728	4
5	254.931	254.951	255.002	254.784	254.705	254.835	254.905	254.885	254.745	254.785	254.950	254.678	5
6	254.921	254.961	254.982	254.784	254.735	254.875	254.905	254.845	254.805	254.875	254.910	254.837	6
7	254.901	254.971	254.942	254.734	254.795	254.875	254.875	254.855	254.805	254.885	254.810	254.947	7
8	254.920	254.951	254.922	254.804	254.795	254.955	254.885	254.765	254.815	254.905	254.870	254.916	8
9	254.940	254.981	254.923	254.824	254.735	254.935	254.885	254.725	254.775	254.915	254.850	254.895	9
10	254.930	254.971	254.913	254.894	254.845	254.935	254.915	254.735	254.745	254.875	254.830	254.895	10
11	254.920	254.981	254.893	254.924	254.975	254.925	254.885	254.795	254.775	254.885	254.880	254.875	11
12	254.930	254.981	254.923	254.874	254.875	254.885	254.935	254.795	254.855	254.915	254.890	254.874	12
13	254.920	254.971	254.943	254.854	254.795	254.885	254.955	254.815	254.915	254.935	254.910	254.844	13
14	254.920	254.981	254.943	254.854	254.845	254.915	254.935	254.875	254.925	254.935	254.930	254.833	14
15	254.910	254.992	254.953	254.844	254.795	254.915	254.885	254.895	254.915	254.935	254.870	254.783	15
16	254.920	254.972	254.983	254.834	254.905	254.875	254.875	254.865	254.905	254.885	254.830	254.742	16
17	254.930	254.932	254.933	254.804	254.925	254.815	254.885	254.895	254.955	254.865	254.810	254.712	17
18	254.950	254.922	254.893	254.864	254.945	254.845	254.855	254.835	254.865	254.805	254.810	254.691	18
19	254.970	254.922	254.903	254.834	254.915	254.885	254.895	254.865	254.815	254.835	254.830	254.721	19
20	254.940	254.932	254.913	254.814	254.975	254.895	254.985	254.885	254.915	254.805	254.870	254.890	20
21	254.920	254.932	254.933	254.814	254.995	254.945	254.915	254.895	254.935	254.730	254.810	254.900	21
22	254.910	254.922	254.953	254.794	254.965	254.945	254.925	254.825	254.885	254.760	254.870	254.875	22
23	254.900	254.942	254.933	254.794	254.955	254.925	254.905	254.515	254.875	254.810	254.950	254.908	23
24	254.901	254.932	254.933	254.834	254.905	254.905	254.875	254.805	254.825	254.850	254.870	254.898	24
25	254.871	254.932	254.943	254.824	254.925	254.885	254.885	254.815	254.775	254.900	254.870	254.808	25
26	254.851	254.922	254.963	254.874	254.935	254.835	254.835	254.785	254.745	254.930	254.850	254.857	26
27	254.861	254.922	254.983	254.924	254.925	254.885	254.875	254.775	254.775	254.900	254.940	254.937	27
28	254.871	254.952	254.923	254.884	254.915	254.895	254.855	254.815	254.795	254.840	254.850	254.856	28
29	254.901		254.923	254.885	254.875	254.895	254.835	254.785	254.785	254.890	254.850	254.908	29
30	254.921		254.943	254.835	254.785	254.905	254.825	254.785	254.785	254.900	254.900	254.915	30
31	254.951		254.933		254.955		254.885	254.785		254.930		254.895	31
MEAN	254.918	254.950	254.941	254.844	254.870	254.900	254.894	254.832	254.836	254.866	254.881	254.864	MEAN
MAX	254.970	254.982	255.002	254.933	254.995	254.955	254.955	254.915	254.955	254.935	254.980	254.947	MAX
MIN	254.851	254.922	254.893	254.734	254.705	254.815	254.825	254.725	254.745	254.730	254.810	254.678	MIN

WATER LEVELS IN METRES

MEAN, 254.881
MAXIMUM DAILY, 255.002 ON MAR 5
MINIMUM DAILY, 254.678 ON DEC 5

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 15 35 N
LONG 95 03 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

WINNIPEG RIVER AT MCARTHUR GENERATING STATION - STATION NO. 05PF068

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	862	913	882	878	752	427	305	176	146	2 490	305	571	1
2	873	878	876	914	588	469	370	488	267	384	400	587	2
3	740	881	858	924	584	295	278	302	240	242	344	584	3
4	834	869	855	900	740	348	229	295	228	166	364	833	4
5	864	865	882	845	572	328	377	290	138	242	344	306	5
6	874	883	921	878	484	330	285	348	182	258	451	341	6
7	863	867	927	822	562	176	288	346	182	258	306	548	7
8	833	830	918	824	537	387	281	234	185	295	281	550	8
9	903	878	885	810	391	310	242	176	198	287	350	515	9
10	883	882	884	835	281	386	378	148	194	285	387	593	10
11	870	877	908	882	608	385	317	253	155	231	232	599	11
12	831	865	874	894	573	358	284	206	182	244	390	531	12
13	843	874	855	818	417	221	350	166	189	271	380	526	13
14	856	857	890	794	518	295	338	223	328	317	415	596	14
15	858	895	861	795	433	381	374	299	286	327	447	548	15
16	812	827	888	820	368	338	291	271	215	342	381	636	16
17	822	928	900	788	422	244	359	278	361	291	305	537	17
18	827	871	878	732	488	248	263	231	372	185	385	541	18
19	875	885	854	783	388	280	217	214	140	324	382	406	19
20	878	885	855	786	442	229	358	247	145	350	380	367	20
21	858	888	857	787	484	241	284	327	300	293	389	601	21
22	877	849	842	790	398	314	329	211	244	238	306	535	22
23	871	905	915	873	292	332	291	183	284	241	532	528	23
24	874	886	852	738	477	408	371	158	224	248	440	605	24
25	852	874	881	787	426	342	298	203	283	280	484	578	25
26	885	871	885	558	578	504	249	144	142	304	380	455	26
27	870	878	924	733	456	389	283	142	143	323	422	624	27
28	842	878	915	720	481	283	258	204	155	301	582	597	28
29	831		847	716	481	412	232	155	143	307	432	566	29
30	869		813	731	187	436	214	145	158	247	513	547	30
31	832		880		334		249	183		372		874	31
TOTAL	26 436	24 623	27 247	23 915	14 536	10 038	9 166	7 214	6 380	10 920	11 691	18 887	TOTAL
MEAN	853	879	879	797	469	335	296	233	213	352	390	545	MEAN
MAX	903	928	927	924	752	504	377	488	372	2 490	582	874	MAX
MIN	740	830	813	558	187	176	214	142	138	185	232	306	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 518
MAXIMUM DAILY, 2 490 ON OCT 1
MINIMUM DAILY, 138 ON SEP 5

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 23 53 N
LONG 95 59 50 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 280 000	JUL	792 000
FEB	2 130 000	AUG	623 000
MAR	2 350 000	SEP	551 000
APR	2 070 000	OCT	943 000
MAY	1 280 000	NOV	1 010 000
JUN	867 000	DEC	1 480 000

TOTAL DISCHARGE, 15 300 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1954

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

WINNIPEG RIVER AT PINE FALLS GENERATING STATION - STATION NO. 05PF069

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	858	885	859	880	784	637	300	145	161	249	296	614	1
2	880	880	890	936	586	480	432	457	308	412	484	609	2
3	858	859	881	904	587	383	340	335	240	287	362	632	3
4	857	887	882	922	713	310	278	318	255	201	362	637	4
5	825	881	851	854	643	388	367	330	166	295	392	446	5
6	848	858	932	853	426	300	338	387	188	316	464	323	6
7	850	857	921	889	580	228	273	370	222	281	372	586	7
8	842	881	925	824	589	402	310	284	173	333	293	584	8
9	872	858	889	840	331	321	316	206	219	323	413	529	9
10	859	880	888	841	271	429	372	182	209	328	425	848	10
11	880	881	890	911	640	389	247	310	138	241	248	610	11
12	882	880	858	957	592	383	328	218	188	287	408	802	12
13	819	880	857	871	443	229	348	187	192	296	393	515	13
14	832	881	881	838	544	293	342	247	380	338	457	608	14
15	827	881	857	838	441	420	408	332	326	348	480	571	15
16	859	917	859	843	346	386	309	281	221	343	440	849	16
17	794	917	933	842	445	285	380	308	371	332	336	542	17
18	831	880	856	782	482	244	305	212	413	202	383	801	18
19	852	880	850	831	415	279	247	262	190	340	421	381	19
20	891	880	894	834	427	280	345	248	136	408	388	351	20
21	858	887	854	788	457	255	307	344	314	315	441	841	21
22	859	856	857	775	471	307	389	254	269	289	351	537	22
23	859	885	858	727	281	389	308	193	326	269	509	853	23
24	880	871	908	782	500	406	383	172	238	287	558	829	24
25	859	878	858	809	426	357	289	239	288	288	446	575	25
26	847	880	858	881	511	520	301	138	214	356	400	538	26
27	837	859	918	733	477	464	293	171	154	328	448	606	27
28	830	859	929	716	515	326	284	219	175	335	638	634	28
29	827		889	714	512	372	243	138	171	312	558	539	29
30	828		809	781	240	470	240	193	189	288	525	577	30
31	830		833		305		276	182		389		685	31
TOTAL	25 248	24 257	27 083	24 655	15 050	10 630	9 897	7 765	6 992	9 506	12 674	17 850	TOTAL
MEAN	847	886	873	823	485	354	319	261	233	307	422	588	MEAN
MAX	891	917	933	957	784	520	432	457	413	412	638	865	MAX
MIN	794	856	809	691	240	229	240	138	136	201	248	323	MIN

SUMMARY FOR THE YEAR 1987

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 527
MAXIMUM DAILY, 957 ON APR 12
MINIMUM DAILY, 136 ON SEP 20

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 34 03 N
LONG 95 10 39 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 270 000	JUL	855 000
FEB	2 100 000	AUG	673 000
MAR	2 340 000	SEP	604 000
APR	2 130 000	OCT	821 000
MAY	1 300 000	NOV	1 100 000
JUN	918 000	DEC	1 520 000

TOTAL DISCHARGE, 15 800 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1951

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	879	9208	9248	8148	683	417	384	305	225	248	381	520	1
2	9038	9288	9258	8148	650	321	284	346	215	332	317	549	2
3	8838	9068	9158	8408	543	315	297	289	170	284	338	521	3
4	8918	9168	9208	7938	518	358	274	267	193	273	410	579	4
5	8878	9138	9248	8028	542	362	317	280	228	283	327	579	5
6	8988	8978	9428	7778	528	322	269	273	150	271	375	564	6
7	9548	9148	9048	7888	481	286	277	250	173	308	383	547	7
8	9108	9208	9088	786	484	333	271	195	186	286	358	585	8
9	9118	9118	9028	798	412	295	324	244	204	285	370	547	9
10	9028	9258	9028	787	476	308	342	210	214	274	381	583	10
11	9048	9068	9448	777	439	302	282	285	272	290	383	551	11
12	8868	8888	9228	748	501	307	311	202	287	303	389	528	12
13	8788	9318	9458	767	443	288	340	256	276	307	388	543	13
14	8768	9118	9388	698	428	319	328	234	283	310	357	538	14
15	8508	9088	8978	731	460	271	339	313	278	282	375	540	15
16	8478	9238	8288	705	428	323	303	243	282	310	368	577	16
17	8108	9188	8528	720	410	282	294	227	278	280	374	585	17
18	9048	9058	8888	718	450	298	277	302	248	228	401	527	18
19	9068	8818	8688	661	389	226	288	287	288	273	409	538	19
20	8869	9018	8888	718	421	229	292	247	214	269	384	570	20
21	8118	9068	9078	663	416	231	271	175	242	336	432	581	21
22	9038	9078	8988	715	404	263	314	172	181	315	470	621	22
23	9058	8768	8318	702	380	338	283	238	213	311	427	617	23
24	8878	9088	8228	721	436	363	281	180	180	328	481	583	24
25	9138	8888	8188	713	443	367	283	197	211	340	484	572	25
26	9018	9128	8278	703	448	421	274	184	210	283	493	581	26
27	8988	9388	8768	685	421	389	276	177	210	334	487	582	27
28	9078	9248	8518	682	383	420	223	152	211	322	486	583	28
29	9208		8378	689	361	418	231	188	238	352	488	800	29
30	9498		8178	677	368	401	238	185	287	340	536	812	30
31	9168		8328		366		247	175		361		806	31
TOTAL	27 823	25 492	27 427	22 054	14 047	9 779	9 000	7 189	6 840	9 315	12 179	17 538	TOTAL
MEAN	889	910	885	735	453	326	290	232	228	297	406	566	MEAN
MAX	954	938	945	840	683	421	364	346	292	361	536	821	MAX
MIN	847	878	817	652	361	228	223	152	150	229	317	520	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 517
MAXIMUM DAILY 9548 ON JAN 7
MINIMUM DAILY 150 ON SEP 6

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 15 W
DRAINAGE AREA 128 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1907

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 400 000	JUL	778 000
FEB	2 200 000	AUG	622 000
MAR	2 370 000	SEP	591 000
APR	1 910 000	OCT	796 000
MAY	1 210 000	NOV	1 050 000
JUN	845 000	DEC	1 520 000

TOTAL DISCHARGE 16 300 000 dam³

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PP007

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.052	274.134	274.134	274.104	274.015	274.134	274.149	274.174	274.122	274.131	274.134	274.125	1
2	273.985	274.122	274.116	274.070	274.125	274.064	274.079	274.148	274.122	274.131	274.119	274.131	2
3	274.085	274.081	274.113	274.073	274.091	274.091	274.107	274.134	274.104	274.155	274.119	274.137	3
4	274.085	274.085	274.143	274.110	274.033	274.082	274.140	274.122	274.094	274.155	274.143	274.076	4
5	274.073	274.128	274.148	274.101	274.030	274.076	274.113	274.152	274.082	274.165	274.073	274.122	5
6	274.098	274.104	274.152	274.140	274.087	274.107	274.104	274.119	274.107	274.148	274.104	274.165	6
7	274.107	274.094	274.085	274.110	274.046	274.152	274.119	274.062	274.094	274.088	274.125	274.107	7
8	274.110	274.113	274.104	274.104	273.979	274.116	274.107	274.119	274.033	274.076	274.122	274.081	8
9	274.076	274.113	274.045	274.101	274.106	274.091	274.084	274.085	274.079	274.076	274.155	274.131	9
10	274.082	274.119	274.091	274.084	274.126	274.158	274.085	274.137	274.143	274.104	274.131	274.125	10
11	274.094	274.122	274.116	274.085	274.085	274.098	274.125	274.146	274.149	274.134	274.137	274.143	11
12	274.107	274.113	274.104	274.040	274.131	274.113	274.125	274.119	274.155	274.155	274.116	274.091	12
13	274.094	274.098	274.081	274.018	274.149	274.152	274.119	274.094	274.137	274.131	274.146	274.122	13
14	274.101	274.137	274.054	274.046	274.152	274.104	274.131	274.058	274.155	274.188	274.119	274.052	14
15	274.082	274.110	274.122	274.070	274.113	274.116	274.149	274.104	274.155	274.128	274.134	274.076	15
16	274.079	274.070	274.049	274.079	274.106	274.131	274.131	274.113	274.149	274.125	274.116	274.079	16
17	274.085	274.094	274.079	274.158	274.143	274.152	274.104	274.085	274.128	274.091	274.146	274.116	17
18	274.104	274.058	274.068	274.143	274.146	274.134	274.122	274.101	274.131	274.131	274.134	274.104	18
19	274.085	274.076	274.084	274.137	274.107	274.082	274.101	274.094	274.131	274.101	274.143	274.119	19
20	274.079	274.081	274.084	274.078	274.085	274.152	274.084	274.091	274.140	274.101	274.158	274.134	20
21	274.131	274.098	274.140	273.987	274.043	274.091	274.101	274.085	274.128	274.101	274.140	274.149	21
22	274.104	274.073	274.146	274.110	274.070	274.107	274.104	274.000	274.091	274.122	274.161	274.158	22
23	274.091	274.084	274.107	274.008	274.107	274.152	274.122	273.986	274.085	274.110	274.137	274.149	23
24	274.008	274.037	274.107	274.003	274.155	274.122	274.085	274.058	274.088	274.119	274.137	274.137	24
25	274.104	274.061	274.113	274.084	274.158	274.134	274.107	274.087	274.131	274.128	274.128	274.131	25
26	274.122	274.055	274.091	274.113	274.137	274.091	274.134	274.131	274.122	274.079	274.122	274.137	26
27	274.094	274.101	274.076	274.085	274.128	274.091	274.128	274.158	274.155	274.122	274.149	274.134	27
28	274.098	274.094	274.085	274.087	274.076	274.128	274.131	274.110	274.140	274.146	274.116	274.128	28
29	274.113		274.085	274.079	274.073	274.137	274.131	274.076	274.158	274.149	274.116	274.107	29
30	274.131		274.098	274.033	274.149	274.143	274.152	274.113	274.146	274.131	274.140	274.101	30
31	274.152		274.079		274.140		274.174	274.122		274.134		274.143	31
MEAN	274.089	274.094	274.102	274.081	274.087	274.117	274.116	274.102	274.122	274.124	274.130	274.118	MEAN
MAX	274.152	274.137	274.152	274.158	274.158	274.158	274.174	274.174	274.158	274.158	274.161	274.158	MAX
MIN	273.985	274.037	274.045	273.987	273.979	274.064	274.085	273.986	274.033	274.076	274.073	274.052	MIN

WATER LEVELS IN METRES

MEAN 274.108
MAXIMUM DAILY 274.174 ON JUL 31
MINIMUM DAILY 273.979 ON MAY 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

SUMMARY FOR THE YEAR 1987

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 96 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO 05PF048

DAILY WATER LEVEL IN METRES FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	230.385	230.475	230.386	230.441	230.106	229.533	229.347	229.085	229.228	229.344	229.362	229.856	1
2	230.386	230.411	230.438	230.487	229.837	229.655	229.460	229.569	229.353	229.469	229.557	229.972	2
3	230.377	230.411	230.426	230.480	229.676	229.411	229.350	229.344	229.258	229.264	229.475	229.828	3
4	230.282	230.482	230.385	230.508	230.002	229.402	229.237	229.325	229.325	229.204	229.472	229.905	4
5	230.289	230.407	230.404	230.267	229.752	229.436	229.347	229.319	229.164	229.319	229.505	229.472	5
6	230.426	230.417	230.520	230.337	229.480	229.383	229.255	229.386	229.231	229.252	229.642	229.396	6
7	230.343	230.404	230.526	230.301	229.767	229.243	229.188	229.386	229.082	229.252	229.475	229.728	7
8	230.337	230.417	230.539	230.243	229.789	229.548	229.264	229.204	229.133	229.313	229.389	229.746	8
9	230.318	230.417	230.459	230.307	229.271	229.338	229.264	229.152	229.231	229.365	229.563	229.700	9
10	230.407	230.435	230.414	230.328	229.170	229.466	229.444	229.121	229.255	229.347	229.481	229.825	10
11	230.371	230.441	230.489	230.468	229.935	229.350	229.280	229.264	229.216	229.283	229.283	229.828	11
12	230.284	230.435	230.371	230.535	229.810	229.475	229.377	229.173	229.170	229.301	229.514	229.773	12
13	230.295	230.438	230.304	230.289	229.585	229.240	229.383	229.103	229.237	229.344	229.453	229.652	13
14	230.292	230.388	230.447	230.225	229.758	229.438	229.408	229.161	229.382	229.426	229.564	229.671	14
15	230.383	230.407	230.334	230.225	229.524	229.524	229.453	229.243	229.362	229.386	229.609	229.787	15
16	230.286	230.551	230.414	230.276	229.382	229.438	229.301	229.188	229.255	229.483	229.545	229.865	16
17	230.225	230.542	230.514	230.212	229.588	229.288	229.453	229.197	229.480	229.388	229.444	229.891	17
18	230.286	230.411	230.388	230.084	229.645	229.240	229.295	229.185	229.469	229.218	229.514	229.781	18
19	230.380	230.423	230.386	230.222	229.488	229.274	229.237	229.258	229.179	229.408	229.533	229.611	19
20	230.423	230.389	230.395	230.340	229.511	229.243	229.386	229.237	229.115	229.432	229.498	229.463	20
21	230.353	230.374	230.316	230.185	229.615	229.228	229.307	229.389	229.392	229.328	229.508	229.886	21
22	230.382	230.343	230.262	230.181	229.557	229.362	229.344	229.249	229.234	229.301	229.382	229.716	22
23	230.407	230.423	230.436	230.051	229.304	229.414	229.304	229.164	229.269	229.280	229.740	229.886	23
24	230.404	230.459	230.475	229.993	229.658	229.450	229.389	229.194	229.261	229.325	229.850	229.825	24
25	230.337	230.407	230.337	230.100	229.472	229.344	229.266	229.231	229.286	229.316	229.552	229.781	25
26	230.353	230.478	230.353	229.667	229.874	229.667	229.310	229.103	229.088	229.341	229.524	229.830	26
27	230.325	230.374	230.508	230.170	229.645	229.505	229.280	229.188	229.081	229.347	229.609	229.810	27
28	230.322	230.368	230.520	230.078	229.649	229.292	229.286	229.271	229.121	229.350	229.905	229.695	28
29	230.295		230.398	229.980	229.524	229.417	229.210	229.210	229.188	229.362	229.636	229.758	29
30	230.326		230.234	230.145	229.277	229.524	229.207	229.255	229.173	229.326	229.737	229.766	30
31	230.267		230.350		229.374		229.219	229.219		229.481		229.850	31
MEAN	230.339	230.425	230.411	230.239	229.616	229.404	229.318	229.238	229.241	229.340	229.549	229.755	MEAN
MAX	230.426	230.551	230.539	230.535	230.106	229.667	229.460	229.569	229.469	229.481	229.850	229.972	MAX
MIN	230.225	230.343	230.234	229.667	229.170	229.228	229.188	229.085	229.082	229.204	229.283	229.396	MIN

SUMMARY FOR THE YEAR 1987

WATER LEVELS IN METRES

MEAN, 229.735
MAXIMUM DAILY, 230.551 ON FEB 15
MINIMUM DAILY, 229.082 ON SEP 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 96 00 15 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

WOODY RIVER NEAR BOWSMAN - STATION NO 05LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4848	0.8928	11.6	5.07	1.16	5.10	2.68	1.45	---	---	1
2	---	---	0.5038	0.9638	10.7	6.02	1.11	4.85	2.52	1.35	---	---	2
3	---	---	0.4838	1.55 B	9.87	7.38	1.44	4.20	2.38	1.28	---	---	3
4	---	---	0.4768	13.4 B	9.11	8.21	1.58	3.73	2.25	1.27	---	---	4
5	---	---	0.4728	40.1 B	8.42	8.43	2.18	3.62	2.07	1.34	---	---	5
6	---	---	0.4428	91.0 B	7.67	8.18	2.85	3.62	1.98	1.25	---	---	6
7	---	---	0.3868	123	7.13	7.89	5.08	3.45	1.85	1.42	---	---	7
8	---	---	0.3138	98.0	6.58	7.44	9.48	3.91	1.89	2.17	---	---	8
9	---	---	0.2838	57.8	5.95	6.94	10.3	3.84	1.52	2.90	---	---	9
10	---	---	0.2138	42.0	5.56	6.37	10.1	3.82	1.47	4.05	---	---	10
11	---	---	0.1588	33.2	5.18	5.99	9.60	3.83	1.38	5.31	---	---	11
12	---	---	0.1088	33.2	4.89	5.40	9.18	3.79	1.20	6.05	---	---	12
13	---	---	0.1048	30.5	4.58	4.95	9.37	3.71	1.05	6.51	---	---	13
14	---	---	0.1448	30.7	4.34	4.36	10.1	3.50	0.981	6.88	---	---	14
15	---	---	0.1728	29.7	4.20	3.77	10.8	3.35	0.864	7.08	---	---	15
16	---	---	0.1738	26.5	4.02	3.35	11.8	3.25	0.703	7.12	---	---	16
17	---	---	0.1768	25.6	3.77	3.01	13.5	3.16	0.976	7.32	---	---	17
18	---	---	0.2268	25.3	3.58	2.78	14.1	3.08	1.32	7.95	---	---	18
19	---	---	0.2858	25.0	3.36	2.76	13.9	2.88	1.65	7.85	---	---	19
20	---	---	0.3518	24.9	3.18	2.58	13.5	2.73	2.08	7.52	---	---	20
21	---	---	0.5108	24.4	2.98	2.31	12.7	2.77	2.13	7.24	---	---	21
22	---	---	0.5048	23.6	2.78	2.12	11.9	2.73	2.02	6.98	---	---	22
23	---	---	0.5288	22.0	2.58	2.08	11.1	2.88	1.96	6.73	---	---	23
24	---	---	0.4538	20.8	2.34	1.89	10.7	2.63	1.94	6.32	---	---	24
25	---	---	0.5578	19.5	2.18	1.71	10.8	2.58	1.91	5.78	---	---	25
26	---	---	0.7578	18.4	2.04	1.55	9.77	2.54	1.84	6.77	---	---	26
27	---	---	1.63 B	17.0	2.03	1.49	8.87	2.90	1.76	6.77	---	---	27
28	---	---	0.6638	15.5	2.35	1.42	7.84	2.98	1.87	6.77	---	---	28
29	---		0.4978	14.1	2.72	1.23	6.97	2.90	1.57	6.68	---	---	29
30	---		0.6618	12.8	4.04	0.983	6.16	2.74	1.50	6.60	---	---	30
31	---		1.78 B		4.82		5.54	2.78		6.52		---	31
TOTAL	---	---	14.374	841.405	154.53	127.633	283.35	103.11	50.884	181.20	---	---	TOTAL
MEAN	---	---	0.464	31.4	4.98	4.25	8.50	3.33	1.70	5.20	---	---	MEAN
MAX	---	---	1.78	123	11.6	8.43	14.1	5.10	2.68	7.95	---	---	MAX
MIN	---	---	0.104	0.983	2.03	0.983	1.11	2.54	0.703	1.25	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.41
MAXIMUM DAILY, 123 ON APR 7
MINIMUM DAILY, 0.1048 ON MAR 13
MAXIMUM INSTANTANEOUS,
138 AT 15:50 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 06 15 W
DRAINAGE AREA, 2 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 800
FEB	---	AUG	8 910
MAR	1 240	SEP	4 350
APR	81 300	OCT	13 900
MAY	13 400	NOV	---
JUN	11 000	DEC	---

TOTAL DISCHARGE, 157 000 dam³

NAME	STATION NO	PAGE
ANGLE DRAIN NEAR GLENELLA	05LL026	1
ANGLING RIVER NEAR BIRD	05UN001	1
ANTLER RIVER NEAR MELITA	05NP002	2
ARROW RIVER NEAR ARROW RIVER	05MG001	2
ASSINIBOINE RIVER AT HEADINGLEY	05MJ001	3
ASSINIBOINE RIVER NEAR BRANDON	05MN013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MH005	4
ASSINIBOINE RIVER NEAR MINIOTA	05ME006	4
ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE	05MJ003	5
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	5
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KG005	5
BACK LAKE NEAR OXFORD HOUSE	04AA003	6
BADGER CREEK NEAR CARTWRIGHT	05OA007	7
BALD HILL RESERVOIR NEAR MCCREARY	05LJ803	7
BARRINGTON RIVER BELOW FIRST RAPIDS	06EB003	8
BEAVER CREEK EAST OF BEAVER	05LL028	8
BEAVER LAKE NEAR PINE RIVER	05LG801	9
BELL LAKE NEAR OUTLET	05LF801	9
BELL RIVER NEAR BELLSITE	05LF002	10
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	10
BIG GRASS RIVER NEAR GLENELLA	05LL015	11
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	11
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	12
BIRCH RIVER NEAR BIRCH RIVER	05LE010	12
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	13
BIRDTAIL CREEK NEAR BIRTLE	05ME003	13
BIRNIE CREEK NEAR BIRNIE	05LL017	14
BLACK RIVER NEAR MANIGOTAGAN	05RA002	14
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	15
BOYNE RIVER ABOVE CARMAN DAM	05OF801	15
BOYNE RIVER NEAR CARMAN	05OF003	16
BOYNE RIVER NEAR ROSEISLE	05OF011	16
BOYNE RIVER NEAR STEPHENFIELD	05OF008	17
BOYNE RIVER NEAR TREHERNE	05OF010	17
BRERETON LAKE NEAR RENNIE	05PG003	18
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	18
BROKENHEAD RIVER NEAR VIVIAN	05SA004	19
BUFFALO LAKE CHANNEL NEAR ALTONA	05OC025	19
BURNT LAKE DRAIN NO. 1 NEAR DEERHORN	05LN002	20
BURNT LAKE DRAIN NO. 2 NEAR LUNDAR	05LN003	20
BURNTWOOD RIVER ABOVE LEAF RAPIDS	05TE002	21
BURNTWOOD RIVER NEAR THOMPSON	05TC001	21
CADDY LAKE AT CADDY LAKE CAMPGROUND	05PG808	22
CEDAR LAKE NEAR GLESON POINT	05KL005	22
CHILDS LAKE NEAR BOGGY CREEK	05MD008	23
CHURCHILL RIVER ABOVE GRANVILLE FALLS	06EA005	23
CHURCHILL RIVER ABOVE LEAF RAPIDS	06EB004	24
CHURCHILL RIVER ABOVE REED HEAD RAPIDS	06FD001	24
CHURCHILL RIVER BELOW FIDDLER LAKE	06FB001	25
CLEARWATER LAKE AT GUY HILL	05KK009	25
COCHRANE RIVER NEAR BROCHET	06DA002	26
CONJURING CREEK NEAR RUSSELL	05ME005	26
COOKS CREEK AT COOKS CREEK	05OJ006	27
COOKS CREEK NEAR EAST SELKIRK	05OJ002	27
COOKS CREEK NEAR GLASS	05OJ007	28
CORMORANT LAKE AT CORMORANT	05KK002	28
CROSS LAKE AT CROSS LAKE	05UD001	29
CRYSTAL CREEK ABOVE CRYSTAL CITY DAM	05OB801	29
CRYSTAL CREEK NEAR CRYSTAL CITY	05OB005	30
CYPRESS CREEK NEAR CLEARWATER	05OB010	30
CYPRESS CREEK NEAR SARLES	05OB031	31
CYPRESS RIVER NEAR BRUXELLES	05MH008	31
CYPRESS RIVER NEAR CYPRESS RIVER	05MH004	32
DAUPHIN LAKE AT OCHRE BEACH	05LJ816	32
DAUPHIN LAKE AT OUTLET	05LJ009	33
DAUPHIN RIVER NEAR ANAMA BAY	05LM006	33
DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA	05PF005	34
DEADMORSE CREEK AT MORDEN	05OC015	34
DEER RIVER NORTH OF BELCHER	05FD002	35
DELORAINE RESERVOIR NEAR DELORAINE	05NC014	35
DENNIS LAKE NEAR MALONTON	05SB801	36
DEVILS CREEK NEAR LISAU	05OJ018	36
DOG LAKE NEAR VOGAR	05LN005	37
DOMAIN DRAIN NEAR DOMAIN	05OC009	37
DUCK RIVER AT COWAN	05LC004	38
EAGER LAKE NEAR TOD LAKE	06EB007	38
EAST FISHER RIVER NEAR HODGSON	05SD004	39
EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	05LJ047	39
ELGIN CREEK NEAR SOURIS	05NC012	40
ELGIN RESERVOIR NEAR ELGIN	05NC803	40
ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK	05OC005	41
ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	05OC006	41
EPINETTE CREEK NEAR CARBERRY	05MH007	42
FAIRFORD RIVER NEAR FAIRFORD	05LM001	42
FALCON LAKE AT FALCON LAKE	05PD801	43
FAMILY LAKE AT LITTLE GRAND RAPIDS	05RD006	43
FISH LAKE AT OUTLET CONTROL STRUCTURE	05SB003	44
FISH LAKE DRAIN NEAR CAMP MORTON	05SB005	44
FISHER RIVER NEAR DALLAS	05SD003	45
FOOTPRINT LAKE AT NELSON HOUSE	05TF001	45
FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	05TF002	46
FORK RIVER NEAR ETHELBERT	05LJ018	46
GAINSBOROUGH CREEK NEAR LYLETON	05NF007	47
GARLAND RIVER NEAR DUCK RIVER	05LC006	47
GAUER RIVER BELOW THORSTEINSON LAKE	06FA001	48
GIMBY CREEK NEAR CARTWRIGHT	05OA015	48
GODS LAKE AT OUTLET OF GODS LAKE	04AC003	49
GODS RIVER BELOW ALLEN RAPIDS	04AC005	49
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GOPHER CREEK NEAR VIRDEN	05MG003	51
GRACE LAKE NEAR THE PAS	05KJ002	51
GRAHAM CREEK NEAR MELITA	05NF008	52
GRANVILLE LAKE AT PICKEREL NARROWS	06EB002	52
GRASS RIVER ABOVE STANDING STONE FALLS	05TD001	53
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JACKFISH LAKE ABOVE JACKFISH LAKE DAM	05LJ807	59
JACKSON CREEK NEAR MELITA	05NF015	59
JACKSON LAKE NEAR SYDNEY	05LL802	60
JOUBERT CREEK AT ST. PIERRE-JOLYS	05OE007	60
KENTON CREEK AT KENTON	05MG006	61
KENTON RESERVOIR NEAR KENTON	05MG803	61
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KISSISSING LAKE AT COLD LAKE	06EA009	64
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LOON RIVER ABOVE BRITTON LAKE	06EA008	83
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